

698I



United States
Department of
Agriculture

Agricultural
Research
Service

Plant Inventory No. 194

STA/STA

Plant Material Introduced
January 1 to May 31, 1986
(Nos. 500149 to 503485)

CURRENT RECORDS

JFC
5 '86

USDA
AGRICULTURAL LIBRARY
STATIONER



**United States
Department of
Agriculture**

Agricultural
Research
Service

Plant Inventory No. 194

**Plant Material Introduced
January 1 to May 31, 1986
(Nos. 500149 to 503485)**



CONTENTS

	Page
Inventory	3
Index	316
Scientific names	316
Common names	319
Acronyms	320

Plant Inventory No. 194 is a historical record of accessioned plant germplasm; it is not a listing of plant material for distribution. Questions about data organization and proper plant identification in this inventory should be directed to the authors.

Thanks are expressed to the following persons associated with the Plant Introduction Office for their contributions to Plant Inventory No. 194: L.G. Garner and R.A. Norris for continued excellence in handling all aspects of the computer system operation; S. Kenworthy for coordinating PI and associated records and correspondence. Assistance by J. Mowder, Database Management Unit, with software and hardware problems is appreciated. Services performed by the University of Maryland were provided through a cooperative agreement.

Data presented herein were generated on a computer system that has been in use since 1979. Subsequent inventories will be generated through the national database known as the Germplasm Resources Information Network (GRIN).

Sharon Stern, Faculty research assistant
Department of Botany, University of Maryland
College Park, Maryland 20742
and
George A. White, agriculturalist
Plant Introduction Office
Beltsville Agricultural Research Center
Beltsville, Maryland 20705

Copies of this publication may be purchased
from the National Technical Information Service,
5285 Port Royal Road, Springfield, Va. 22161.

ARS has no additional copies for free distribution.

Issued October 1986

500149 TO 500228. *Abelmoschus esculentus* (L.) Moench (Malvaceae) Okra.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500149. ZM-1015. Zambia. Latitude: 15 deg 24 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuko, Lusaka District, Lusaka Province. 1150m. Local name Delele. Cultivated. Seed.
500150. ZM-1129. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.
500151. ZM-1163. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 18 m E. Collected May 05, 1981. Mambova, Kaloma District, Southern Province. 1020m. Wild. Seed.
500152. ZM-1200. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kaloma District, Southern Province. 986m. Cultivated. Seed.
500153. ZM-1205. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kaloma District, Southern Province. 986m. Local name Mudelele. Cultivated. Seed.
500154. ZM-1206. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasiabumba, Kaloma District, Southern Province. 1200m. Broader type. Cultivated. Seed.
500155. ZM-1217. Zambia. Latitude: 17 deg 40 m S; Longitude: 025 deg 58 m E. Collected May 06, 1981. Siansungu, Kalomo District, Southern Province. 1084m. Fruit small. Cultivated. Seed.
500156. ZM-1229. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansungu, Kaloma District, Southern Province. 1090m. Cultivated. Seed.
500157. ZM-1232. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansugo, Kaloma District, Southern Province. 1090m. Cultivated. Seed.
500158. ZM-1262. Zambia. Latitude: 17 deg 09 m S; Longitude: 026 deg 21 m E. Collected May 06, 1981. Beyond Kanchele, Kaloma District, Southern Province. Cultivated. Seed.
500159. ZM-1293. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District,

500149 TO 500228-continued

- Southern Province. 1398m. Cultivated. Seed.
500160. ZM-1301. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500161. ZM-1316. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwemke District, Southern Province. Cultivated. Seed.
500162. ZM-1320. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwemke District, Southern Province. Cultivated. Seed.
500163. ZM-1332. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected June 07, 1981. Simunchembu, Gwemke District, Southern Province. Cultivated. Seed.
500164. ZM-1346. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwemke District, Southern Province. Cultivated. Seed.
500165. ZM-1375. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Cultivated. Seed.
500166. ZM-1381. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Muzandu, Choma District, Southern Province. Cultivated. Seed.
500167. ZM-1382. Zambia. Latitude: 16 deg 21 m S; Longitude: 027 deg E. Collected May 08, 1981. Manamambo, Monze District, Southern Province. 1128m. Cultivated. Seed.
500168. ZM-1402. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. Cultivated. Seed.
500169. ZM-1413. Zambia. Latitude: 16 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Sigwidi, Monze District, Southern Province. Cultivated. Seed.
500170. ZM-1421. Zambia. Latitude: 16 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Sigwidi, Monze District, Southern Province. Cultivated. Seed.
500171. ZM-1426. Zambia. Latitude: 16 deg 11 m S; Longitude: 027 deg 32 m E. Collected May 09, 1981. Madubansi, Monze District, Southern Province. Cultivated. Seed.
500172. ZM-1429. Zambia. Latitude: 16 deg 14 m S; Longitude: 027 deg 34 m E. Collected May 09, 1981. Changruga, Monze District, Southern Province. Local name Munganga.

500149 TO 500228-continued

Cultivated. Seed.

500173. ZM-1447. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Cultivated. Seed.
500174. ZM-1463. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
500175. ZM-1501. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Cultivated. Seed.
500176. ZM-1565. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Cultivated. Seed.
500177. ZM-1574. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Local name Mulemewe. Cultivated. Seed.
500178. ZM-1913. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Cultivated. Seed.
500179. ZM-2042. Zambia. Latitude: 14 deg 27 m S; Longitude: 024 deg 49 m E. Collected May 22, 1981. Kapeshi, Kaoma District, Western Province. Local name Ndelele. Cultivated. Seed.
500180. ZM-2076. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 22, 1981. Kapalu, Kaoma District, Western Province. Local name Ndelele. Cultivated. Seed.
500181. ZM-2082. Zambia. Latitude: 14 deg 53 m S; Longitude: 025 deg 22 m E. Collected May 23, 1981. Mbambe, Kaoma District, Western Province. Local name Delele. Cultivated. Seed.
500182. ZM-2128. Zambia. Latitude: 15 deg 24 m S; Longitude: 027 deg 03 m E. Collected May 23, 1981. Muzhinzhilishi, Mumbwa District, Central Province. Cultivated. Seed.
500183. ZM-2131. Zambia. Latitude: 15 deg 27 m S; Longitude: 027 deg 18 m E. Collected May 23, 1981. Moono, Mumbwa District, Central Province. Cultivated. Seed.
500184. ZM-2188. Zambia. Collected June 01, 1981. Muflira District, Copperbelt Province. Local name Mulembwe. Cultivated. Seed.

500149 TO 500228-continued

500185. ZM-2192. Zambia. Collected June 01, 1981. Muflira District, Copperbelt Province. Fruit smooth. Cultivated. Seed.
500186. ZM-2216. Zambia. Latitude: 12 deg 39 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Machilikaphiri, Muflira District, Copperbelt Province. Fruit ridged. Cultivated. Seed.
500187. ZM-2217. Zambia. Latitude: 12 deg 39 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Machilikaphiri, Muflira District, Copperbelt Province. Fruit smooth. Cultivated. Seed.
500188. ZM-2236. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Fruit short, broad. Local name Chilunguntanda. Cultivated. Seed.
500189. ZM-2237. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Fruit long, ridged. Cultivated. Seed.
500190. ZM-2245. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Cultivated. Seed.
500191. ZM-2265. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 21 m E. Collected June 02, 1981. Mukuka, Ndola District, Copperbelt Province. Fruit smooth. Cultivated. Seed.
500192. ZM-2281. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 18 m E. Collected June 02, 1981. Beka, Ndola District, Copperbelt Province. Cultivated. Seed.
500193. ZM-2294. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East, Copperbelt Province. Local name Chilunguntanda. Cultivated. Seed.
500194. ZM-2324. Zambia. Latitude: 13 deg 31 m S; Longitude: 028 deg 44 m E. Collected June 03, 1981. Chamila, Nodola East, Copperbelt Province. Cultivated. Seed.
500195. ZM-2343. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500196. ZM-2385. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Nadola East

500149 TO 500228-continued

District, Copperbelt Province. Cultivated. Seed.

500197. ZM-2414. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Fruit ridged. Cultivated. Seed.
500198. ZM-2415. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Fruits smooth. Fruit quality considered better than PI 500197. Cultivated. Seed.
500199. ZM-2444. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
500200. ZM-2472. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola East Rural District, Copperbelt Province. Cultivated. Seed.
500201. ZM-2505. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500202. ZM-2564. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 09 m E. Collected June 07, 1981. Mumba, Kitwe Rural District, Copperbelt Province. Cultivated. Seed.
500203. ZM-2598. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Local name Mulembwe. Cultivated. Seed.
500204. ZM-2613. Zambia. Latitude: 13 deg 05 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Cultivated. Seed.
500205. ZM-2636. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 15 m E. Collected June 08, 1981. Mwelaisha, Ndola Rural West, Copperbelt Province. Local name Mabaya. Cultivated. Seed.
500206. ZM-2657. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Local name Mulembwe. Cultivated. Seed.
500207. ZM-2694. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Cultivated. Seed.

500149 TO 500228-continued

500208. ZM-2723. Zambia. Latitude: 11 deg 12 m S; Longitude: 029 deg 54 m E. Collected June 11, 1981. Pemba, Mansa District, Luapula Province. Cultivated. Seed.
500209. ZM-2768. Zambia. Latitude: 11 deg 19 m S; Longitude: 029 deg 18 m E. Collected June 11, 1981. Kabende, Mansa District, Luapula Province. Local name Chilunguntanda. Cultivated. Seed.
500210. ZM-2788. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda, Samfya District, Luapula Province. Cultivated. Seed.
500211. ZM-2832. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 32 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Local name Mulenbwe. Cultivated. Seed.
500212. ZM-2844. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Cultivated. Seed.
500213. ZM-2896. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Mwewa, Samfya District, Luapula Province. Cultivated. Seed.
500214. ZM-2916. Zambia. Latitude: 11 deg 15 m S; Longitude: 029 deg 18 m E. Collected June 14, 1981. Kampolo, Mansa District, Luapula Province. Cultivated. Seed.
500215. ZM-2936. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Mulembwe-Delele. Cultivated. Seed.
500216. ZM-2945. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Mulenda. Cultivated. Seed.
500217. ZM-2954. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Fruit small. Cultivated. Seed.
500218. ZM-2961. Zambia. Latitude: 10 deg 32 m S; Longitude: 028 deg 46 m E. Collected June 15, 1981. John Sansera farm, Mwense District, Luapula Province. Local name Mulenda. Cultivated. Seed.
500219. ZM-2979. Zambia. Latitude: 10 deg 22 m S; Longitude: 028 deg E. Collected June 15, 1981. Yankonda farm, Mwense

500149 TO 500228-continued

- District, Luapula Province. Local name Mulenda.
Cultivated. Seed.
500220. ZM-2988. Zambia. Latitude: 10 deg 09 m S; Longitude: 028 deg 35 m E. Collected June 16, 1981. Kasengu, Mwenze District, Luapula Province. Local name Mulenga. Cultivated. Seed.
500221. ZM-3000. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 58 m E. Collected June 16, 1981. Chifuwa, Kawambwa District, Luapula Province. Local name Mulenga. Cultivated. Seed.
500222. ZM-3006. Zambia. Latitude: 09 deg 53 m S; Longitude: 029 deg 12 m E. Collected June 16, 1981. Kapamba, Kwambwa District, Luapula Province. Cultivated. Seed.
500223. ZM-3033. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Farmer's field near roadside, Nchelenge District, Luapula Province. Local name Mulenda. Cultivated. Seed.
500224. ZM-3056. Zambia. Latitude: 09 deg 12 m S; Longitude: 028 deg 49 m E. Collected June 17, 1981. Mwatishi, Nchelenge District, Luapula Province. Cultivated. Seed.
500225. ZM-3074. Zambia. Latitude: 09 deg 01 m S; Longitude: 029 deg 02 m E. Collected June 17, 1981. Chununge, Nchelenge District, Luapula Province. Fruit smooth. Cultivated. Seed.
500226. ZM-3099. Zambia. Latitude: 09 deg 40 m S; Longitude: 029 deg 04 m E. Collected June 18, 1981. Kanyembo Camp, Nchelenge District, Luapula Province. Local name Chilungatanda. Cultivated. Seed.
500227. ZM-3118. Zambia. Latitude: 09 deg 48 m S; Longitude: 029 deg 09 m E. Collected June 18, 1981. Kani, Kawambwa District, Luapula Province. Cultivated. Seed.
500228. ZM-3123. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 15 m E. Collected June 18, 1981. Chabanya, Kawambwa District, Luapula Province. Plant tall. Cultivated. Seed.

500229 TO 500294. *Amaranthus* sp. (Amaranthaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500229 TO 500294-continued

500229. ZM-1425. Zambia. Latitude: 16 deg 11 m S; Longitude: 027 deg 32 m E. Collected May 09, 1981. Madubansi, Monze District, Southern Province. Leafy, possible vegetable type. Wild. Seed.
500230. ZM-1441. Zambia. Latitude: 16 deg 13 m S; Longitude: 027 deg 31 m E. Collected May 09, 1981. Sivubwa, Monze District, Southern Province. 1130m. Cultivated. Seed.
500231. ZM-1452. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Local name Boonko. Wild. Seed.
500232. ZM-1471. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Wild. Seed.
500233. ZM-1474. Zambia. Latitude: 15 deg 43 m S; Longitude: 028 deg 14 m E. Collected May 10, 1981. Kafue National Park, Kafue District, Southern Province. 1305m. Hybrid population. Wild. Seed.
500234. ZM-1489. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 09 m E. Collected May 13, 1981. Imuba, Mongu District, Western Province. 1052m. Encouraged weed. Wild. Seed.
500235. ZM-1504. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Wild. Seed.
500236. ZM-1518. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Wild. Seed.
500237. ZM-1554. Zambia. Latitude: 15 deg 23 m S; Longitude: 023 deg 11 m E. Collected May 14, 1981. Somboko, Mongu District, Western Province. Wild. Seed.
500238. ZM-1555. Zambia. Latitude: 15 deg 23 m S; Longitude: 023 deg 11 m E. Collected May 14, 1981. Somboko, Mongu District, Western Province. Local name Libowa. Cultivated. Seed.
500239. ZM-1572. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Local name Libowa. Cultivated. Seed.
500240. ZM-1592. Zambia. Latitude: 15 deg 02 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Nateo, Mongu

500229 TO 500294-continued

- District, Western Province. Local name Libowa. Wild. Seed.
500241. ZM-1626. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Local name Libowa. Wild. Seed.
500242. ZM-1687. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Nalyala, Kalabo District, Western Province. Wild. Seed.
500243. ZM-1704. Zambia. Latitude: 14 deg 55 m S; Longitude: 022 deg 29 m E. Collected May 17, 1981. Sikiliti, Kalabo District, Western Province. Wild. Seed.
500244. ZM-1708. Zambia. Latitude: 14 deg 53 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Chinoya-Chinonge, Kalabo District, Western Province. Wild. Seed.
500245. ZM-1750. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Local name Libowa. Wild. Seed.
500246. ZM-1771. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Wild. Seed.
500247. ZM-1821. Zambia. Latitude: 15 deg 13 m S; Longitude: 022 deg 42 m E. Collected May 18, 1981. Kangongo, Kalabo District, Western Province. Wild. Seed.
500248. ZM-1827. Zambia. Latitude: 15 deg 21 m S; Longitude: 022 deg 45 m E. Collected May 18, 1981. Mugongo, Kalabo District, Western Province. Wild. Seed.
500249. ZM-1845. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Wild. Seed.
500250. ZM-1859. Zambia. Latitude: 14 deg 54 m S; Longitude: 024 deg 45 m E. Collected May 20, 1981. Naliele Makina, Kaoma District, Western Province. Wild. Seed.
500251. ZM-1872. Zambia. Latitude: 14 deg 36 m S; Longitude: 024 deg 33 m E. Collected May 20, 1981. Samalaesu, Kaoma District, Western Province. Wild. Seed.
500252. ZM-1894. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 30 m E. Collected May 20, 1981. Samachae, Kaoma District, Western Province. Wild. Seed.
500253. ZM-1931. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Wild. Seed.

500229 TO 500294-continued

500254. ZM-2012. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Local name Lifungu. Wild. Seed.
500255. ZM-2029. Zambia. Latitude: 14 deg 31 m S; Longitude: 024 deg 48 m E. Collected May 22, 1981. Mananga, Kaoma District, Western Province. Wild. Seed.
500256. ZM-2058. Zambia. Latitude: 14 deg 24 m S; Longitude: 024 deg 50 m E. Collected May 22, 1981. Kankunguva, Kaoma District, Western Province. Local name Lengalenga. Cultivated. Seed.
500257. ZM-2080. Zambia. Latitude: 14 deg 53 m S; Longitude: 025 deg 22 m E. Collected May 23, 1981. Mbambe, Kaoma District, Western Province. Local name Libowa. Cultivated. Seed.
500258. ZM-2105. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa District, Central Province. Local name Giondwe. Cultivated. Seed.
500259. ZM-2119. Zambia. Latitude: 15 deg 18 m S; Longitude: 026 deg 57 m E. Collected May 23, 1981. Chenduwa-Mwanadura, Mumbwa District, Central Province. Cultivated. Seed.
500260. ZM-2140. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 27 m E. Collected May 25, 1981. Molodoni, Mumbwa District, Central Province. Cultivated. Seed.
500261. ZM-2145. Zambia. Latitude: 14 deg 55 m S; Longitude: 027 deg 42 m E. Collected May 25, 1981. Kalusa, Mumbwa District, Central Province. Mixture of three types. Cultivated. Seed.
500262. ZM-2162. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Local name Bondwe. Cultivated. Seed.
500263. ZM-2252. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Wild. Seed.
500264. ZM-2255. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Wild. Seed.
500265. ZM-2269. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 21 m E. Collected June 02, 1981. Mukuka, Ndola

500229 TO 500294-continued

- District, Copperbelt Province. Cultivated. Seed.
500266. ZM-2283. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 18 m E. Collected June 02, 1981. Beka, Ndola District, Copperbelt Province. Local name Bondwe. Cultivated. Seed.
500267. ZM-2309. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Wild. Seed.
500268. ZM-2310. Zambia. Latitude: 13 deg 24 m S; Longitude: 026 deg 54 m E. Collected June 03, 1981. Kambatika, Ndola East District, Copperbelt Province. Cultivated. Seed.
500269. ZM-2355. Zambia. Latitude: 13 deg 13 m S; Longitude: 028 deg 24 m E. Collected June 04, 1981. Mwanapabo, Ndola East District, Copperbelt Province. Wild. Seed.
500270. ZM-2405. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Wild. Seed.
500271. ZM-2424. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Wild. Seed.
500272. ZM-2448. Zambia. Latitude: 13 deg 09 m S; Longitude: 028 deg 24 m E. Collected June 05, 1981. Chikwati, Ndola Rural East District, Copperbelt Province. Wild. Seed.
500273. ZM-2504. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Local name Bondwe. Wild. Seed.
500274. ZM-2550. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Grain purple. Local name Ibondwe. Wild. Seed.
500275. ZM-2553. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Cultivated. Seed.
500276. ZM-2562. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 09 m E. Collected June 07, 1981. Mumba, Kitwe Rural District, Copperbelt Province. Wild. Seed.
500277. ZM-2582. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 08, 1981. Roadside field, Ndola Rural West District, Copperbelt Province. Local name Lengalenga. Cultivated. Seed.

500229 TO 500294-continued

500278. ZM-2611. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Wild. Seed.
500279. ZM-2663. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Local name Lengalenga. Wild. Seed.
500280. ZM-2664. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Cultivated. Seed.
500281. ZM-2666. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Cultivated. Seed.
500282. ZM-2746. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Local name Linglalinga. Wild. Seed.
500283. ZM-2771. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 21 m E. Collected June 11, 1981. Kunda, Mansa District, Luapula Province. Wild. Seed.
500284. ZM-2785. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda farm, Samfya District, Luapula Province. Local name Langalanga. Wild. Seed.
500285. ZM-2794. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda farm, Samfya District, Luapula Province. Wild. Seed.
500286. ZM-2837. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Wild. Seed.
500287. ZM-2871. Zambia. Latitude: 10 deg 56 m S; Longitude: 029 deg 36 m E. Collected June 13, 1981. Bwacha, Samfya District, Luapula Province. Local name Lunsansha. Wild. Seed.
500288. ZM-2913. Zambia. Latitude: 11 deg 15 m S; Longitude: 029 deg 18 m E. Collected June 14, 1981. Kampolo, Mansa District, Luapula Province. Inflorescence spiny. Wild. Seed.
500289. ZM-2918. Zambia. Latitude: 11 deg 15 m S; Longitude: 029 deg 18 m E. Collected June 14, 1981. Kampolo, Mansa District, Luapula Province. Wild. Seed.

500229 TO 500294-continued

500290. ZM-2937. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Mantantampashi. Wild. Seed.
500291. ZM-2980. Zambia. Latitude: 10 deg 22 m S; Longitude: 028 deg E. Collected June 15, 1981. Yankonda farm, Mwense District, Luapula Province. Wild. Seed.
500292. ZM-3011. Zambia. Latitude: 09 deg 53 m S; Longitude: 029 deg 12 m E. Collected June 16, 1981. Kapamba, Kwambwa District, Luapula Province. Wild. Seed.
500293. ZM-3029. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Possibly *Amaranthus hybridus*. Local name Imboka. Cultivated. Seed.
500294. ZM-3135. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 12 m E. Collected June 18, 1981. Nachampama, Kwambwa District, Luapula Province. Wild. Seed.

500295. *Canavalia* sp. (Fabaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

ZM-1497. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Cultivated. Seed.

500296 TO 500299. *Carica papaya* L. (Caricaceae) Papaya.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500296. ZM-2920. Zambia. Latitude: 11 deg 15 m S; Longitude: 029 deg 18 m E. Collected June 14, 1981. Kampolo, Mansa District, Luapula Province. Cultivated. Seed.
500297. ZM-3019. Zambia. Latitude: 09 deg 53 m S; Longitude: 029 deg 12 m E. Collected June 16, 1981. Kapamba, Kwambwa District, Luapula Province. Cultivated. Seed.

500296 TO 500299-continued

500298. ZM-3062. Zambia. Latitude: 09 deg 03 m S; Longitude: 028 deg 58 m E. Collected May 17, 1981. Mukolwe, Nchelenge District, Luapula Province. Cultivated. Seed.

500299. ZM-3063. Zambia. Latitude: 09 deg 01 m S; Longitude: 029 deg 02 m E. Collected June 17, 1981. Chununge, Nchelenge District, Luapula Province. Cultivated. Seed.

500300. *Ceiba* sp. (Bombacaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

ZM-1567. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Used as fibers for pillows. Cultivated. Seed.

500301 TO 500355. *Citrullus lanatus* (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500301. ZM-1031. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.

500302. ZM-1039. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.

500303. ZM-1143. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. 720m. Cultivated. Seed.

500304. ZM-1177. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 680m. Local name Namwino. Cultivated. Seed.

500305. ZM-1193. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected June 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Cultivated. Seed.

500301 TO 500355-continued

500306. ZM-1195. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected June 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Local name Namunywa. Cultivated. Seed.
500307. ZM-1286. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Cultivated. Seed.
500308. ZM-1296. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500309. ZM-1297. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500310. ZM-1299. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500311. ZM-1303. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500312. ZM-1323. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwenke District, Southern Province. Cultivated. Seed.
500313. ZM-1324. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwenke District, Southern Province. Cultivated. Seed.
500314. ZM-1331. Zambia. Collected May 07, 1981. Seed.
500315. ZM-1361. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Chimonselo, Gwenke District, Southern Province. 260m. Cultivated. Seed.
500316. ZM-1400. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. 780m. Cultivated. Seed.
500317. ZM-1406. Zambia. Latitude: 16 deg 08 m S; Longitude: 027 deg 24 m E. Collected May 09, 1981. Moonga, Monze District, Southern Province. Cultivated. Seed.
500318. ZM-1445. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Cultivated. Seed.
500319. ZM-1446. Zambia. Latitude: 16 deg 10 m S; Longitude: 027

500301 TO 500355-continued

- deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Seeds pink. Cultivated. Seed.
500320. ZM-1458. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
500321. ZM-1459. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
500322. ZM-1486. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 09 m E. Collected May 13, 1981. Imuba, Mongu District, Western Province. 1052m. Local name Lihapu. Cultivated. Seed.
500323. ZM-1496. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Fruit straw color, round. Seeds black. Local name Lihapu. Cultivated. Seed.
500324. ZM-1498. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Cultivated. Seed.
500325. ZM-1634. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Local name Mahapu. Wild. Seed.
500326. ZM-1671. Zambia. Latitude: 15 deg 01 m S; Longitude: 022 deg 09 m E. Collected May 17, 1981. Majete, Kalabo District, Western Province. Cultivated. Seed.
500327. ZM-1714. Zambia. Latitude: 14 deg 53 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Chinoya Chinonge, Kalabo District, Western Province. Received as *Luffa cylindrica*. Cultivated. Seed.
500328. ZM-1722. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Malondo, Kalabo District, Western Province. Cultivated. Seed.
500329. ZM-1798. Zambia. Latitude: 15 deg 07 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kasaku, Kalabo District, Western Province. Cultivated. Seed.
500330. ZM-1907. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Wild. Seed.
500331. ZM-1925. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma

500301 TO 500355-continued

- District, Western Province. Cultivated. Seed.
500332. ZM-1958. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
500333. ZM-2055. Zambia. Latitude: 14 deg 24 m S; Longitude: 024 deg 50 m E. Collected May 22, 1981. Kankunguva, Kaoma District, Western Province. Local name Namunwa. Cultivated. Seed.
500334. ZM-2062. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Mahapu. Cultivated. Seed.
500335. ZM-2109. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa District, Central Province. Local name Tanga. Cultivated. Seed.
500336. ZM-2110. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa District, Central Province. Local name Namunwa. Cultivated. Seed.
500337. ZM-2132. Zambia. Latitude: 15 deg 27 m S; Longitude: 027 deg 18 m E. Collected May 23, 1981. Moono, Mumbwa District, Central Province. Cultivated. Seed.
500338. ZM-2143. Zambia. Latitude: 14 deg 55 m S; Longitude: 027 deg 42 m E. Collected May 25, 1981. Kalusa, Mumbwa District, Central Province. Local name Namunwa. Cultivated. Seed.
500339. ZM-2152. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 55 m E. Collected May 25, 1981. Kapopo, Mumbwa District, Central Province. Cultivated. Seed.
500340. ZM-2176. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Local name Bisi. Cultivated. Seed.
500341. ZM-2292. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Seeds black. Local name Naunwa. Cultivated. Seed.
500342. ZM-2295. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Seeds pink. Cultivated. Seed.

500301 TO 500355-continued

500343. ZM-2331. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Seeds white edged. Cultivated. Seed.
500344. ZM-2332. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Seeds black. Cultivated. Seed.
500345. ZM-2381. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500346. ZM-2393. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Seeds pink. Cultivated. Seed.
500347. ZM-2428. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
500348. ZM-2526. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500349. ZM-2595. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 05, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Local name Nanunawa. Cultivated. Seed.
500350. ZM-2605. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Nadoa Rural West District, Copperbelt Province. Cultivated. Seed.
500351. ZM-2688. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Local name Munwamunwa. Cultivated. Seed.
500352. ZM-2730. Zambia. Latitude: 11 deg 12 m S; Longitude: 028 deg 54 m E. Collected September 11, 1981. Pemba, Mansa District, Luapula Province. Cultivated. Seed.
500353. ZM-2769. Zambia. Latitude: 11 deg 19 m S; Longitude: 029 deg 18 m E. Collected September 11, 1981. Kabende, Mansa District, Luapula Province. Cultivated. Seed.
500354. ZM-2793. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda, Samfya

500301 TO 500355-continued

District, Luapula Province. Cultivated. Seed.

500355. ZM-2904. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 24 m E. Collected June 14, 1981. Near roadside village, Samfya District, Luapula Province. Cultivated. Seed.

500356 TO 500358. *Crotalaria* sp. (Fabaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500356. ZM-1339. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Siapaka, Gwembe District, Southern Province. Wild. Seed.

500357. ZM-2420. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Cultivated. Seed.

500358. ZM-2478. Zambia. Latitude: 13 deg 23 m S; Longitude: 028 deg 13 m E. Collected June 05, 1981. Lake Kashiba Forest, Ndola Rural East District, Copperbelt Province. Wild. Seed.

500359 TO 500372. *Cucumis melo* L. (Cucurbitaceae) Melon.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500359. ZM-1065. Zambia. Latitude: 13 deg 24 m S; Longitude: 029 deg 18 m E. Collected April 29, 1981. Chandatole, Mkushi District, Central Province. Cultivated. Seed.

500360. ZM-1094. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Local name Chibimbi. Cultivated. Seed.

500361. ZM-1095. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Received as *Cucumis* sp. Local name Inyangu. Wild. Seed.

500362. ZM-1345. Zambia. Latitude: 17 deg 09 m S; Longitude: 027

500359 TO 500372-continued

- deg 27 m E. Collected May 08, 1981. Sinazeze, Gwemke District, Southern Province. Cultivated. Seed.
500363. ZM-2113. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa District, Central Province. Local name Fibimbi. Cultivated. Seed.
500364. ZM-2181. Zambia. Latitude: 12 deg 36 m S; Longitude: 028 deg 23 m E. Collected June 01, 1981. Musonda, Muflira District, Copperbelt Province. Local name Chibimbi. Cultivated. Seed.
500365. ZM-2222. Zambia. Latitude: 12 deg 45 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Kabuta, Ndola District, Copperbelt Province. Local name Chibimbi. Cultivated. Seed.
500366. ZM-2419. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Local name Chibimbi. Cultivated. Seed.
500367. ZM-2435. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Fruit 300mm long. Cultivated. Seed.
500368. ZM-2461. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Fruit large. Cultivated. Seed.
500369. ZM-2519. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Fruit large. Cultivated. Seed.
500370. ZM-2618. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500371. ZM-2731. Zambia. Latitude: 11 deg 12 m S; Longitude: 028 deg 54 m E. Collected June 11, 1981. Pemba, Mansa District, Luapula Province. Local name Fibinbi. Cultivated. Seed.
500372. ZM-2909. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 24 m E. Collected June 14, 1981. Near roadside village of Mansa, Samfya District, Luapula Province. Cultivated. Seed.

500373 TO 500374. *Cucumis sativus* L. (Cucurbitaceae) Cucumber.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500373. ZM-1364. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Fruit orange, Local name Makawa. Wild. Seed.

500374. ZM-2484. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Cultivated. Seed.

500375 TO 500441. *Cucumis* sp. (Cucurbitaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500375. ZM-1019. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 45 m E. Collected April 27, 1981. Chalimbana, Lusaka District, Lusaka Province. 1152m. Cultivated. Seed.

500376. ZM-1020. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 45 m E. Collected April 27, 1981. Chalimbana, Lusaka District, Lusaka Province. 1152m. Cultivated. Seed.

500377. ZM-1035. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Local name Makowa. Cultivated. Seed.

500378. ZM-1131. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Local name Makowa. Cultivated. Seed.

500379. ZM-1151. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Wild. Seed.

500380. ZM-1215. Zambia. Latitude: 17 deg 40 m S; Longitude: 025 deg 58 m E. Collected May 06, 1981. Siansungu, Kalomo District, Southern Province. 1084m. Local name Siankanka. Cultivated. Seed.

500381. ZM-1234. Zambia. Latitude: 17 deg 36 m S; Longitude: 026

500375 TO 500441-continued

- deg E. Collected May 06, 1981. Siansungu, Kalomo District, Southern Province. 1090m. Cultivated. Seed.
500382. ZM-1265. Zambia. Latitude: 17 deg 04 m S; Longitude: 026 deg 29 m E. Collected May 07, 1981. Kalomo, Kalomo District, Southern Province. 1314m. Cultivated. Seed.
500383. ZM-1271. Zambia. Latitude: 17 deg 04 m S; Longitude: 026 deg 29 m E. Collected May 07, 1981. Kalomo, Kalomo District, Southern Province. 1314m. Cultivated. Seed.
500384. ZM-1281. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Cultivated. Seed.
500385. ZM-1321. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwenke District, Southern Province. Cultivated. Seed.
500386. ZM-1362. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Wild. Seed.
500387. ZM-1368. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Plants semi-wild. Fruit spiny. Seed.
500388. ZM-1370. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Leaves and dried fruit eaten. Local name Siill or Masiill. Wild. Seed.
500389. ZM-1385. Zambia. Latitude: 16 deg 21 m S; Longitude: 027 deg E. Collected May 08, 1981. Manamambo, Monze District, Southern Province. 1128m. Cultivated. Seed.
500390. ZM-1401. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. Fruit yellow. Cultivated. Seed.
500391. ZM-1417. Zambia. Latitude: 16 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Sigwidi, Monze District, Southern Province. Cultivated. Seed.
500392. ZM-1437. Zambia. Latitude: 16 deg 13 m S; Longitude: 027 deg 31 m E. Collected May 09, 1981. Sivubwa, Monze District, Southern Province. 1130m. Cultivated. Seed.
500393. ZM-1444. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Cultivated. Seed.

500375 TO 500441-continued

500394. ZM-1460. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
500395. ZM-1469. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Fruit spiny. Cultivated. Seed.
500396. ZM-1706. Zambia. Latitude: 14 deg 55 m S; Longitude: 022 deg 29 m E. Collected May 10, 1981. Forest, Sikiliti, Kalabo District, Western Province. Collected from forest. Local name Binende. Wild. Seed.
500397. ZM-1804. Zambia. Latitude: 15 deg 07 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kasaku, Kalabo District, Western Province. Wild. Seed.
500398. ZM-1839. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Local name Mavakaka. Cultivated. Seed.
500399. ZM-1926. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Cultivated. Seed.
500400. ZM-1942. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Fruit spiny. Cultivated. Seed.
500401. ZM-1944. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Local name Mavakaku. Cultivated. Seed.
500402. ZM-2013. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Fruit spiny. Local name Chitende. Wild. Seed.
500403. ZM-2112. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa District, Central Province. Local name Makowa. Cultivated. Seed.
500404. ZM-2120. Zambia. Latitude: 15 deg 18 m S; Longitude: 026 deg 57 m E. Collected May 23, 1981. Chenduwa Mwanadura, Mumbwa District, Central District. Fruit spiny. Cultivated. Seed.
500405. ZM-2172. Zambia. Latitude: 12 deg 32 m S; Longitude: 028

500375 TO 500441-continued

- deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Local name Makake. Cultivated. Seed.
500406. ZM-2197. Zambia. Latitude: 12 deg 38 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Chilela, Muflira District, Copperbelt Province. Fruit spiny. Local name Chitungusa. Cultivated. Seed.
500407. ZM-2205. Zambia. Latitude: 12 deg 38 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Chilela, Muflira District, Copperbelt Province. Fruit green. Cultivated. Seed.
500408. ZM-2219. Zambia. Latitude: 12 deg 45 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Kabuta, Nadola District, Copperbelt Province. Cultivated. Seed.
500409. ZM-2279. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 18 m E. Collected June 02, 1981. Beka, Nadola District, Copperbelt Province. Fruit has soft, small spines. Cultivated. Seed.
500410. ZM-2293. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Local name Fikowa. Cultivated. Seed.
500411. ZM-2333. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500412. ZM-2336. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500413. ZM-2351. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500414. ZM-2391. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected May 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500415. ZM-2439. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
500416. ZM-2442. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Fruit with very small spines. Cultivated. Seed.

500375 TO 500441-continued

500417. ZM-2443. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola East District, Copperbelt Province. Fruit with soft, long spines. Cultivated. Seed.
500418. ZM-2459. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500419. ZM-2464. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Fruit medium size. Cultivated. Seed.
500420. ZM-2486. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Fruit small, spines thin. Cultivated. Seed.
500421. ZM-2487. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Fruit medium size, skin smooth, yellow, green striped. Cultivated. Seed.
500422. ZM-2509. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola East District, Copperbelt Province. Cultivated. Seed.
500423. ZM-2516. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 60 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500424. ZM-2624. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Fruit spiny. Cultivated. Seed.
500425. ZM-2625. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Fruit with small, thin spines. Cultivated. Seed.
500426. ZM-2647. Zambia. Latitude: 13 deg 15 m S; Longitude: 028 deg 18 m E. Collected June 08, 1981. Manuel, Ndola Rural West District, Copperbelt Province. Fruit green, spiny. Local name Cchitende. Cultivated. Seed.
500427. ZM-2651. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Local name Kasakwa. Cultivated. Seed.

500375 TO 500441-continued

500428. ZM-2659. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kaluluski District, Copperbelt Province. Fruit with soft spines. Local name Kasakwa. Cultivated. Seed.
500429. ZM-2676. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Cultivated. Seed.
500430. ZM-2689. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Local name Ifivibbi. Cultivated. Seed.
500431. ZM-2690. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Fruit with small thin spines. Local name Lumanda. Cultivated. Seed.
500432. ZM-2736. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Local name Fibinbi. Cultivated. Seed.
500433. ZM-2790. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda, Samfya District, Luapula Province. Local name Mankangola. Cultivated. Seed.
500434. ZM-2795. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda, Samfya District, Luapula Province. Cultivated. Seed.
500435. ZM-2811. Zambia. Latitude: 11 deg 27 m S; Longitude: 029 deg 34 m E. Collected June 12, 1981. Mano, Samfya District, Luapula Province. Fruit with small, thin spines. Local name Mankdobwe. Cultivated. Seed.
500436. ZM-2813. Zambia. Latitude: 11 deg 27 m S; Longitude: 029 deg 34 m E. Collected June 12, 1981. Mano, Samfya District, Luapula Province. Fruit thin, spines small. Cultivated. Seed.
500437. ZM-2834. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 32 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Cultivated. Seed.
500438. ZM-2865. Zambia. Latitude: 11 deg 01 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Tandeo, Samfya District, Luapula Province. Cultivated. Seed.
500439. ZM-2903. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 24 m E. Collected June 14, 1981. Near roadside

500375 TO 500441-continued

village, Samfya District, Luapula Province. Cultivated. Seed.

500440. ZM-2949. Zambia. Latitude: 11 deg 03 n S; Longitude: 028 deg 54 n E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Cultivated. Seed.

500441. ZM-3047. Zambia. Latitude: 09 deg 18 n S; Longitude: 028 deg 44 n E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Local name Mankolobwe. Cultivated. Seed.

500442 TO 500535. *Cucurbita maxima* Duch. (Cucurbitaceae) Winter squash.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500442. ZM-1043. Zambia. Latitude: 13 deg 33 n S; Longitude: 029 deg 27 n E. Collected April 29, 1981. Chiponya, Mkushi District, Central Province. Leaves and fruits eaten. Local name Chipushilu Bemba. Wild. Seed.

500443. ZM-1050. Zambia. Latitude: 13 deg 22 n S; Longitude: 029 deg 22 n E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Local name Chipushimushya. Cultivated. Seed.

500444. ZM-1071. Zambia. Latitude: 13 deg 24 n S; Longitude: 029 deg 18 n E. Collected April 29, 1981. Chandatole, Mkushi District, Central Province. Cultivated. Seed.

500445. ZM-1084. Zambia. Latitude: 14 deg 24 n S; Longitude: 028 deg 37 n E. Collected April 30, 1981. Jamschibuey, Mkushi District, Central Province. 1210m. Cultivated. Seed.

500446. ZM-1166. Zambia. Latitude: 17 deg 39 n S; Longitude: 025 deg 11 n E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Wild. Seed.

500447. ZM-1168. Zambia. Latitude: 17 deg 39 n S; Longitude: 025 deg 11 n E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Wild. Seed.

500448. ZM-1169. Zambia. Latitude: 17 deg 39 n S; Longitude: 025 deg 11 n E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Wild. Seed.

500449. ZM-1192. Zambia. Latitude: 17 deg 44 n S; Longitude: 025 deg 52 n E. Collected May 06, 1981. Siasialumba, Kalomo

500442 TO 500535-continued

- District, Southern Province. 986m. Cultivated. Seed.
500450. ZM-1197. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 05, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Local name Mgwunga. Cultivated. Seed.
500451. ZM-1198. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 05, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Fruit more watery than PI 500450. Local name Mgwunga. Cultivated. Seed.
500452. ZM-1201. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected June 05, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Cultivated. Seed.
500453. ZM-1207. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Cultivated. Seed.
500454. ZM-1213. Zambia. Latitude: 17 deg 40 m S; Longitude: 025 deg 58 m E. Collected May 05, 1981. Siansungu, Kalomo District, Southern Province. 1084m. Cultivated. Seed.
500455. ZM-1219. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansungu, Kalomo District, Southern Province. 1090m. Local name Mauwa. Cultivated. Seed.
500456. ZM-1220. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansungu, Kalomo District, Southern Province. 1090m. Cultivated. Seed.
500457. ZM-1242. Zambia. Latitude: 17 deg 27 m S; Longitude: 026 deg 05 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1270m. Cultivated. Seed.
500458. ZM-1250. Zambia. Latitude: 17 deg 27 m S; Longitude: 026 deg 05 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1270m. Cultivated. Seed.
500459. ZM-1251. Zambia. Latitude: 17 deg 22 m S; Longitude: 026 deg 14 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.
500460. ZM-1254. Zambia. Latitude: 17 deg 22 m S; Longitude: 026 deg 14 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.
500461. ZM-1263. Zambia. Latitude: 17 deg 09 m S; Longitude: 026 deg 21 m E. Collected May 06, 1981. Another village after Kanchele, Kalomo District, Southern Province. 1275m. Mixed with *C. moschata*. Cultivated. Seed.

500442 TO 500535-continued

500462. ZM-1276. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Mixed with *C. moschata*. Local name Mapusi. Cultivated. Seed.
500463. ZM-1289. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500464. ZM-1298. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500465. ZM-1311. Zambia. Latitude: 27 deg S; Longitude: 016 deg E. Collected May 07, 1981. Siachimputi, Choma District, Southern Province. Cultivated. Seed.
500466. ZM-1317. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwenke District, Southern Province. Cultivated. Seed.
500467. ZM-1319. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwenke District, Southern Province. Cultivated. Seed.
500468. ZM-1358. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwenke District, Southern Province. Cultivated. Seed.
500469. ZM-1412. Zambia. Latitude: 16 deg 05 m ; Longitude: 027 deg 23 m E. Collected May 09, 1981. Simbaye, Monze District, Southern Province. 1132m. Cultivated. Seed.
500470. ZM-1484. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 09 m E. Collected May 13, 1981. Imuba, Mongu District, Western Province. 1052m. Fruit oblong. Local name Namundalangive. Cultivated. Seed.
500471. ZM-1495. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Fruit oblong. Seeds white. Local name Mupusi. Cultivated. Seed.
500472. ZM-1529. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 16 m E. Collected May 14, 1981. Sichima, Mongu District, Western Province. Cultivated. Seed.
500473. ZM-1541. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 16 m E. Collected May 14, 1981. Sichima, Mongu District, Western Province. Cultivated. Seed.
500474. ZM-1632. Zambia. Latitude: 15 deg 04 m S; Longitude: 022

500442 TO 500535-continued

- deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Local name Mupusi. Wild. Seed.
500475. ZM-1674. Zambia. Latitude: 15 deg 01 m S; Longitude: 022 deg 09 m E. Collected May 17, 1981. Majete, Kalabo District, Western Province. Cultivated. Seed.
500476. ZM-1681. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Cultivated. Seed.
500477. ZM-1692. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Cultivated. Seed.
500478. ZM-1694. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Cultivated. Seed.
500479. ZM-1712. Zambia. Latitude: 14 deg 53 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Chinoya Chinonge, Kalabo District, Western Province. Cultivated. Seed.
500480. ZM-1718. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Malondo, Kalabo District, Western Province. Cultivated. Seed.
500481. ZM-1731. Zambia. Latitude: 14 deg 58 m S; Longitude: 022 deg 36 m E. Collected May 17, 1981. Loke, Kalabo District, Western Province. Mixed with *C. moschata*. Cultivated. Seed.
500482. ZM-1732. Zambia. Latitude: 14 deg 58 m S; Longitude: 022 deg 36 m E. Collected May 17, 1981. Loke, Kalabo District, Western Province. Cultivated. Seed.
500483. ZM-1767. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 41 m E. Collected May 17, 1981. Atharukoboto, Kalabo District, Western Province. Cultivated. Seed.
500484. ZM-1786. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Cultivated. Seed.
500485. ZM-1790. Zambia. Latitude: 15 deg 07 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kasaku, Kalabo District, Western Province. Cultivated. Seed.
500486. ZM-1811. Zambia. Latitude: 15 deg 11 m S; Longitude: 022 deg 47 m E. Collected May 18, 1981. Kalumba, Kalabo District, Western Province. Cultivated. Seed.
500487. ZM-1830. Zambia. Latitude: 15 deg 21 m S; Longitude: 022

500442 TO 500535-continued

- deg 45 m E. Collected May 18, 1981. Mugongo, Kalabo District, Western Province. Wild. Seed.
500488. ZM-1889. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 30 m E. Collected May 20, 1981. Samachae, Kaoma District, Western Province. Cultivated. Seed.
500489. ZM-1933. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Wild. Seed.
500490. ZM-1953. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Cultivated. Seed.
500491. ZM-1954. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
500492. ZM-1964. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
500493. ZM-1984. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
500494. ZM-1987. Zambia. Latitude: 15 deg 12 m S; Longitude: 024 deg 22 m E. Collected May 21, 1981. Kalingu, Kaoma District, Western Province. Cultivated. Seed.
500495. ZM-1996. Zambia. Latitude: 15 deg 12 m S; Longitude: 024 deg 22 m E. Collected May 21, 1981. Kalingu, Kaoma District, Western Province. Cultivated. Seed.
500496. ZM-2008. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Local name Mamputu. Cultivated. Seed.
500497. ZM-2024. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 47 m E. Collected May 22, 1981. Bunonge-Mandandi, Kaoma District, Western Province. Cultivated. Seed.
500498. ZM-2028. Zambia. Latitude: 14 deg 31 m S; Longitude: 024 deg 48 m E. Collected May 22, 1981. Mananga, Kaoma District, Western Province. Cultivated. Seed.
500499. ZM-2033. Zambia. Latitude: 14 deg 30 m S; Longitude: 024 deg 49 m E. Collected May 22, 1981. Suyoyelo, Kaoma District, Western Province. Cultivated. Seed.
500500. ZM-2041. Zambia. Latitude: 14 deg 27 m S; Longitude: 024

500442 TO 500535-continued

- deg 49 m E. Collected May 22, 1981. Kapeshi, Kaoma District, Western Province. Local name Vimputu. Cultivated. Seed.
500501. ZM-2053. Zambia. Latitude: 14 deg 24 m S; Longitude: 024 deg 50 m E. Collected May 22, 1981. Kankunguva, Kaoma District, Western Province. Local name Matila. Cultivated. Seed.
500502. ZM-2101. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 06 m E. Collected May 23, 1981. Mupunda, Mumbwa District, Central Province. Cultivated. Seed.
500503. ZM-2108. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa, Central Province. Cultivated. Seed.
500504. ZM-2134. Zambia. Latitude: 15 deg 27 m S; Longitude: 027 deg 18 m E. Collected May 23, 1981. Moono, Mumbwa District, Central Province. Cultivated. Seed.
500505. ZM-2144. Zambia. Latitude: 14 deg 55 m S; Longitude: 027 deg 42 m E. Collected May 25, 1981. Kalusa, Mumbwa District, Central Province. Cultivated. Seed.
500506. ZM-2161. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Local name Fipushi. Cultivated. Seed.
500507. ZM-2209. Zambia. Latitude: 12 deg 39 m S; Longitude: 028 deg 18 m. Collected June 01, 1985. Machilikaphiri, Muflira District, Copperbelt Province. Cultivated. Seed.
500508. ZM-2223. Zambia. Latitude: 12 deg 45 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Kabuta, Ndola District, Copperbelt Province. Cultivated. Seed.
500509. ZM-2296. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Local name Chipnushi. Cultivated. Seed.
500510. ZM-2318. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 54 m E. Collected June 03, 1981. Kambatika, Ndola East District, Copperbelt Province. Mixed *C. moschata*. Cultivated. Seed.
500511. ZM-2329. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500512. ZM-2338. Zambia. Latitude: 13 deg 29 m S; Longitude: 028

500442 TO 500535-continued

- deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500513. ZM-2348. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Mixed with *C. moschata*. Cultivated. Seed.
500514. ZM-2473. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500515. ZM-2480. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Cultivated. Seed.
500516. ZM-2510. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Mixed with *C. moschata*. Cultivated. Seed.
500517. ZM-2525. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500518. ZM-2544. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Local name Fipushi. Cultivated. Seed.
500519. ZM-2590. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Local name Fipushi. Cultivated. Seed.
500520. ZM-2614. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Mixed with *C. moschata*. Cultivated. Seed.
500521. ZM-2679. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Local name Efipushi. Cultivated. Seed.
500522. ZM-2729. Zambia. Latitude: 11 deg 12 m S; Longitude: 028 deg 54 m E. Collected June 11, 1981. Pemba, Mansa District, Luapula Province. Local name Efipushi. Cultivated. Seed.
500523. ZM-2735. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Local name Chipusi. Cultivated. Seed.

500442 TO 500535-continued

500524. ZM-2750. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 04 m E. Collected June 11, 1981. Kale, Mansa District, Luapula Province. Cultivated. Seed.
500525. ZM-2753. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 04 m E. Collected June 11, 1981. Kale, Mansa District, Luapula Province. Cultivated. Seed.
500526. ZM-2756. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 04 m E. Collected June 11, 1981. Kale, Mansa District, Luapula Province. Cultivated. Seed.
500527. ZM-2759. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 14 m E. Collected June 11, 1981. Mufuma, Mansa District, Luapula Province. Cultivated. Seed.
500528. ZM-2772. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 21 m E. Collected June 11, 1981. Kunda, Mansa District, Luapula Province. Cultivated. Seed.
500529. ZM-2782. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda, Samfya District, Luapula Province. Local name Fipushi. Cultivated. Seed.
500530. ZM-2870. Zambia. Latitude: 10 deg 56 m S; Longitude: 029 deg 36 m E. Collected June 13, 1981. Bwacha, Samfya District, Luapula Province. Cultivated. Seed.
500531. ZM-2901. Zambia. Latitude: 11 deg 19 m S; Longitude: 029 deg 24 m E. Collected June 14, 1981. Near roadside village, Samfya District, Luapula Province. Cultivated. Seed.
500532. ZM-2948. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Cultivated. Seed.
500533. ZM-2973. Zambia. Latitude: 10 deg 22 m S; Longitude: 028 deg E. Collected June 15, 1981. Yamkonda farm, Mwense District, Luapula Province. Cultivated. Seed.
500534. ZM-3066. Zambia. Latitude: 09 deg 01 m S; Longitude: 029 deg 02 m E. Collected June 17, 1981. Chununge, Nchelenge District, Luapula Province. Cultivated. Seed.
500535. ZM-3092. Zambia. Latitude: 09 deg 32 m S; Longitude: 028 deg 54 m E. Collected June 18, 1981. Mulwe, Nchelenge District, Luapula Province. Cultivated. Seed.

500536 TO 500642. *Cucurbita moschata* (Duch.) Duch. ex Poir.
(Cucurbitaceae) Squash.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.;
IBPGR; Mount Makulu Research Station; Rome, Italy;
Chilanga, Zambia. Received through International Board
for Plant Genetic Resources (IBPGR), Rome, Italy.
Received November 1981.

500536. ZM-1032. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.
500537. ZM-1037. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.
500538. ZM-1049. Zambia. Latitude: 13 deg 22 m S; Longitude: 029 deg 22 m E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Local name Musunga. Cultivated. Seed.
500539. ZM-1060. Zambia. Latitude: 13 deg 22 m S; Longitude: 029 deg 22 m E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Local name Chipushi. Wild. Seed.
500540. ZM-1062. Zambia. Latitude: 13 deg 24 m S; Longitude: 029 deg 18 m E. Collected April 29, 1981. Chandatole, Mkushi District, Central Province. Local name Musungu. Cultivated. Seed.
500541. ZM-1063. Zambia. Latitude: 13 deg 24 m S; Longitude: 029 deg 18 m E. Collected April 29, 1981. Chandatole, Mkushi District, Central Province. Cultivated. Seed.
500542. ZM-1087. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Local name Musungu. Cultivated. Seed.
500543. ZM-1130. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Local name Mupusi. Cultivated. Seed.
500544. ZM-1132. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.
500545. ZM-1161. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. Cultivated. Seed.

500536 TO 500642-continued

500546. ZM-1208. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected June 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Cultivated. Seed.
500547. ZM-1214. Zambia. Latitude: 17 deg 40 m S; Longitude: 025 deg 58 m E. Collected June 06, 1981. Siansungo, Kalomo District, Southern Province. 1084m. Cultivated. Seed.
500548. ZM-1236. Zambia. Latitude: 17 deg 31 m S; Longitude: 026 deg 04 m E. Collected June 06, 1981. Luyaba, Kalomo District, Southern Province. 1168m. Cultivated. Seed.
500549. ZM-1253. Zambia. Latitude: 17 deg 22 m S; Longitude: 026 deg 14 m E. Collected May 06, 1981. End of Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.
500550. ZM-1273. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Cultivated. Seed.
500551. ZM-1287. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Cultivated. Seed.
500552. ZM-1295. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500553. ZM-1309. Zambia. Latitude: 27 deg S; Longitude: 016 deg E. Collected May 07, 1981. Siachimputi, Choma District, Southern Province. Cultivated. Seed.
500554. ZM-1310. Zambia. Latitude: 27 deg S; Longitude: 016 deg E. Collected May 07, 1981. Siachimputi, Choma District, Southern Province. Cultivated. Seed.
500555. ZM-1322. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwemke District, Southern Province. Cultivated. Seed.
500556. ZM-1343. Zambia. Latitude: 17 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 08, 1981. Sinazeze, Gwemke District, Southern Province. Cultivated. Seed.
500557. ZM-1344. Zambia. Latitude: 17 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 08, 1981. Sinazeze, Gwemke District, Southern Province. Cultivated. Seed.
500558. ZM-1357. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwemke District, Southern Province. Cultivated. Seed.

500536 TO 500642-continued

500559. ZM-1366. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Wild. Seed.
500560. ZM-1378. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Muzandu, Choma District, Southern Province. Cultivated. Seed.
500561. ZM-1387. Zambia. Latitude: 16 deg 21 m S; Longitude: 027 deg E. Collected May 08, 1981. Manamambo, Monze District, Southern Province. 1128m. Cultivated. Seed.
500562. ZM-1398. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. Cultivated. Seed.
500563. ZM-1404. Zambia. Latitude: 16 deg 08 m S; Longitude: 027 deg 24 m E. Collected May 09, 1981. Moonga, Monze District, Southern Province. Cultivated. Seed.
500564. ZM-1408. Zambia. Latitude: 16 deg 08 m S; Longitude: 027 deg 24 m E. Collected May 09, 1981. Moonga, Monze District, Southern Province. Cultivated. Seed.
500565. ZM-1409. Zambia. Latitude: 16 deg 05 m S; Longitude: 027 deg 23 m E. Collected May 09, 1981. Simbaye, Monze District, Southern Province. 1132m. Cultivated. Seed.
500566. ZM-1415. Zambia. Latitude: 16 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Sigwidi, Monze District, Southern Province. Cultivated. Seed.
500567. ZM-1416. Zambia. Latitude: 16 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Sigwidi, Monze District, Southern Province. Cultivated. Seed.
500568. ZM-1424. Zambia. Latitude: 16 deg 11 m S; Longitude: 027 deg 32 m E. Collected May 09, 1981. Madubansi, Monze District, Southern Province. Cultivated. Seed.
500569. ZM-1431. Zambia. Latitude: 16 deg 14 m S; Longitude: 027 deg 34 m E. Collected May 09, 1981. Changruga, Monze District, Southern Province. Local name Mapusi. Cultivated. Seed.
500570. ZM-1436. Zambia. Latitude: 16 deg 13 m S; Longitude: 027 deg 31 m E. Collected May 09, 1981. Sivubwa, Monze District, Southern Province. 1130m. Cultivated. Seed.
500571. ZM-1443. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Cultivated. Seed.

500536 TO 500642-continued

500572. ZM-1462. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
500573. ZM-1472. Zambia. Latitude: 15 deg 54 m S; Longitude: 023 deg 09 m E. Collected May 10, 1981. Melima, Kafue District, Southern Province. 1297m. Cultivated. Seed.
500574. ZM-1485. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 09 m E. Collected May 13, 1981. Imuba, Mongu District, Western Province. 1052m. Fruit round. Local name Mupusi. Cultivated. Seed.
500575. ZM-1524. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Cultivated. Seed.
500576. ZM-1584. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Cultivated. Seed.
500577. ZM-1596. Zambia. Latitude: 15 deg 02 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Nateo, Mongu District, Western Province. Cultivated. Seed.
500578. ZM-1603. Zambia. Latitude: 14 deg 54 m S; Longitude: 023 deg 16 m E. Collected May 15, 1981. Nangulwe, Mongu District, Western Province. Cultivated. Seed.
500579. ZM-1658. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Cultivated. Seed.
500580. ZM-1660. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Cultivated. Seed.
500581. ZM-1672. Zambia. Latitude: 15 deg 01 m S; Longitude: 022 deg 09 m E. Collected May 17, 1981. Majete, Kalabo District, Western Province. Cultivated. Seed.
500582. ZM-1742. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Cultivated. Seed.
500583. ZM-1763. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 41 m E. Collected May 17, 1981. Atharukoboto, Kalabo District, Western Province. Cultivated. Seed.
500584. ZM-1814. Zambia. Latitude: 15 deg 13 m S; Longitude: 022 deg 42 m E. Collected May 18, 1981. Kangongo, Kalabo District, Western Province. Mixed with *C. maxima*.

500536 TO 500642-continued

Cultivated. Seed.

500585. ZM-1838. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Local name Namundalangive. Cultivated. Seed.
500586. ZM-1856. Zambia. Latitude: 14 deg 54 m S; Longitude: 024 deg 45 m E. Collected May 20, 1981. Naliele Makina, Kaoma District, Western Province. Cultivated. Seed.
500587. ZM-1870. Zambia. Latitude: 14 deg 36 m S; Longitude: 024 deg 33 m E. Collected May 20, 1981. Samalaesu, Kaoma District, Western Province. Mixed with *C. maxima*. Cultivated. Seed.
500588. ZM-1909. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Mixed with *C. maxima*. Cultivated. Seed.
500589. ZM-2061. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Mapusi. Cultivated. Seed.
500590. ZM-2067. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Namundalangwe. Cultivated. Seed.
500591. ZM-2079. Zambia. Latitude: 14 deg 53 m S; Longitude: 025 deg 22 m E. Collected May 23, 1981. Mbambe, Kaoma District, Western Province. Mixed with *C. maxima*. Cultivated. Seed.
500592. ZM-2089. Zambia. Latitude: 14 deg 54 m S; Longitude: 025 deg 24 m E. Collected May 23, 1981. Mugandu, Kaoma District, Western Province. Cultivated. Seed.
500593. ZM-2107. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa District, Central Province. Local name Chipushi. Cultivated. Seed.
500594. ZM-2129. Zambia. Latitude: 15 deg 24 m S; Longitude: 027 deg 03 m E. Collected May 23, 1981. Muzhinzhilishi, Mumbwa District, Central Province. Cultivated. Seed.
500595. ZM-2149. Zambia. Latitude: 14 deg 55 m S; Longitude: 027 deg 42 m E. Collected May 25, 1981. Kalusa, Mumbwa District, Central Province. Local name Miungu. Cultivated. Seed.

500536 TO 500642-continued

500596. ZM-2157. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 55 m E. Collected May 25, 1981. Kapopo, Mumbwa District, Central Province. Cultivated. Seed.
500597. ZM-2179. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Local name Mboka. Cultivated. Seed.
500598. ZM-2191. Zambia. Latitude: 12 deg 36 m S; Longitude: 028 deg 23 m E. Collected June 01, 1981. Musonda, Muflira District, Copperbelt Province. Local name Chipushi. Cultivated. Seed.
500599. ZM-2208. Zambia. Latitude: 12 deg 38 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Chilela, Muflira District, Copperbelt Province. Cultivated. Seed.
500600. ZM-2221. Zambia. Latitude: 12 deg 45 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Kabuta, Ndola District, Copperbelt Province. Cultivated. Seed.
500601. ZM-2230. Zambia. Latitude: 13 deg 09 m S; Longitude: 028 deg 48 m E. Collected June 02, 1981. Nkomani, Ndola District, Copperbelt Province. Local name Mungu. Cultivated. Seed.
500602. ZM-2240. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Cultivated. Seed.
500603. ZM-2244. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Cultivated. Seed.
500604. ZM-2261. Zambia. Latitude: 13 deg 16 m S; Longitude: 028 deg 25 m E. Collected June 02, 1981. Fekiah Chitakunya, Ndola District, Copperbelt Province. Cultivated. Seed.
500605. ZM-2268. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 21 m E. Collected June 02, 1981. Mukuka, Ndola District, Copperbelt Province. Cultivated. Seed.
500606. ZM-2299. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500607. ZM-2322. Zambia. Latitude: 13 deg 31 m S; Longitude: 028 deg 44 m E. Collected June 03, 1981. Chamila, Ndola East District, Copperbelt Province. Cultivated. Seed.
500608. ZM-2356. Zambia. Latitude: 13 deg 13 m S; Longitude: 028

500536 TO 500642-continued

- deg 24 m E. Collected June 04, 1981. Mwanapabo, Ndola East District, Copperbelt Province. Cultivated. Seed.
500609. ZM-2372. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500610. ZM-2394. Zambia. Latitude: 13 deg 32 m S; Longitude: 027 deg 55 m E. Collected June 04, 1981. Shikalemse, Ndola East District, Copperbelt Province. Cultivated. Seed.
500611. ZM-2404. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Mixed with *C. maxima*. Cultivated. Seed.
500612. ZM-2412. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Cultivated. Seed.
500613. ZM-2434. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
500614. ZM-2449. Zambia. Latitude: 13 deg 09 m S; Longitude: 028 deg 24 m E. Collected June 05, 1981. Chikwati, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500615. ZM-2458. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500616. ZM-2481. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Seeds white. Cultivated. Seed.
500617. ZM-2501. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Mixed with *C. maxima*. Cultivated. Seed.
500618. ZM-2515. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500619. ZM-2528. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfunkwe, Ndola Rural East District, Copperbelt Province. Local name Myungu. Cultivated. Seed.
500620. ZM-2566. Zambia. Latitude: 12 deg 54 m S; Longitude: 028

500536 TO 500642-continued

- deg 09 m E. Collected June 07, 1981. Mumba, Kitwe Rural District, Copperbelt Province. Cultivated. Seed.
500621. ZM-2591. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Local name Fipushi. Cultivated. Seed.
500622. ZM-2608. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Cultivated. Seed.
500623. ZM-2632. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 15 m E. Collected June 08, 1981. Mwelaisha, Ndola Rural West District, Copperbelt Province. Cultivated. Seed.
500624. ZM-2677. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Cultivated. Seed.
500625. ZM-2708. Zambia. Latitude: 13 deg 12 m S; Longitude: 027 deg 57 m E. Collected June 09, 1981. Kasoville Mbowaka, Kalulushi Ndola Rural West District, Copperbelt Province. Mixed with *C. maxima*. Cultivated. Seed.
500626. ZM-2718. Zambia. Latitude: 11 deg 12 m S; Longitude: 028 deg 54 m E. Collected June 11, 1981. Pemba, Mansa District, Luapula Province. Local name Chipusi. Cultivated. Seed.
500627. ZM-2767. Zambia. Latitude: 11 deg 19 m S; Longitude: 029 deg 18 m E. Collected June 11, 1981. Kabende, Mansa District, Luapula Province. Local name Chipushi var. Masungu. Cultivated. Seed.
500628. ZM-2838. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Cultivated. Seed.
500629. ZM-2880. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 37 m E. Collected June 13, 1981. Mwanakasoma, Samfya District, Luapula Province. Cultivated. Seed.
500630. ZM-2908. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 24 m E. Collected June 14, 1981. Near roadside village, Samfya District, Luapula Province. Cultivated. Seed.
500631. ZM-2965. Zambia. Latitude: 10 deg 32 m S; Longitude: 028 deg 46 m E. Collected June 15, 1981. John Sansera farm, Mwenze District, Luapula Province. Local name Fipushi.

500536 TO 500642-continued

Cultivated. Seed.

500632. ZM-2981. Zambia. Latitude: 10 deg 09 m S; Longitude: 028 deg 35 m E. Collected June 16, 1981. Kasengu, Mwense District, Luapula Province. Cultivated. Seed.
500633. ZM-2998. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 53 m E. Collected June 16, 1981. Chifuwa, Kawambwa District, Luapula Province. Local name Fipushi. Cultivated. Seed.
500634. ZM-3017. Zambia. Latitude: 09 deg 53 m S; Longitude: 029 deg 12 m E. Collected June 16, 1981. Kapamba, Kwambwa District, Luapula Province. Cultivated. Seed.
500635. ZM-3046. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Cultivated. Seed.
500636. ZM-3055. Zambia. Latitude: 09 deg 12 m S; Longitude: 028 deg 49 m E. Collected June 17, 1981. Mwatishi, Nchelenge District, Luapula Province. Cultivated. Seed.
500637. ZM-3077. Zambia. Latitude: 08 deg 54 m S; Longitude: 029 deg 01 m E. Collected June 17, 1981. Mipa, Nchelenge District, Luapula Province. Cultivated. Seed.
500638. ZM-3101. Zambia. Latitude: 09 deg 40 m S; Longitude: 029 deg 04 m E. Collected June 18, 1981. Kanyembo camp, Nchelenge District, Luapula Province. Local name Fipushi. Cultivated. Seed.
500639. ZM-3108. Zambia. Latitude: 09 deg 45 m S; Longitude: 029 deg 06 m E. Collected June 18, 1981. Mutono, Kawambwa District, Luapula Province. Cultivated. Seed.
500640. ZM-3113. Zambia. Latitude: 09 deg 48 m S; Longitude: 029 deg 09 m E. Collected June 18, 1981. Kani, Kawambwa District, Luapula Province. Mixed with *C. maxima*. Cultivated. Seed.
500641. ZM-3122. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 15 m E. Collected June 18, 1981. Chabanya, Kawambwa District, Luapula Province. Cultivated. Seed.
500642. ZM-3132. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 12 m E. Collected June 18, 1981. Nachampama, Kwambwa District, Luapula Province. Cultivated. Seed.

500643 TO 500645. *Cucurbita pepo* L. (Cucurbitaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.;

500643 TO 500645-continued

IBPGR; Mount Makulu Research Station; Rome, Italy;
Chilanga, Zambia. Received through International Board
for Plant Genetic Resources (IBPGR), Rome, Italy.
Received November 1981.

500643. ZM-1252. Zambia. Latitude: 17 deg 22 m S; Longitude: 026
deg 14 m E. Collected May 05, 1981. End of Kanchele,
Kalomo District, Southern Province. 1275m. Cultivated.
Seed.

500644. ZM-2596. Zambia. Latitude: 13 deg S; Longitude: 028 deg
06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural
West District, Copperbelt Province. Local name Fibimbi.
Cultivated. Seed.

500645. ZM-2655. Zambia. Latitude: 12 deg 54 m S; Longitude: 028
deg E. Collected June 08, 1981. Unise Salukano, Kalulushi
District, Copperbelt Province. Local name Ingulu.
Cultivated. Seed.

500646 TO 500648. Glycine max (L.) Merr. (Fabaceae) Soybean.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.;
IBPGR; Mount Makulu Research Station; Rome, Italy;
Chilanga, Zambia. Received through International Board
for Plant Genetic Resources (IBPGR), Rome, Italy.
Received November 1981.

500646. ZM-1072. Zambia. Latitude: 13 deg 23 m S; Longitude: 029
deg 19 m E. Collected April 29, 1981. Mehitambo, Mkushi
District, Lusaka Province. Cultivated. Seed.

500647. ZM-1392. Zambia. Latitude: 16 deg 18 m S; Longitude: 027
deg 30 m E. Collected May 09, 1981. Monze, Monze
District, Southern Province. 1128m. Cultivated. Seed.

500648. ZM-2228. Zambia. Latitude: 12 deg 45 m S; Longitude: 026
deg 27 m E. Collected June 01, 1981. Kabuta, Ndola
District, Copperbelt Province. Cultivated. Seed.

500649 TO 500685. Gynandropsis gynandra (L.) Brig. (Capparaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.;
IBPGR; Mount Makulu Research Station; Rome, Italy;
Chilanga, Zambia. Received through International Board
for Plant Genetic Resources (IBPGR), Rome, Italy.
Received November 1981.

500649. ZM-1209. Zambia. Latitude: 17 deg 44 m S; Longitude: 025
deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo
District, Southern Province. 986m. Wild. Seed.

500649 TO 500685-continued

500650. ZM-1227. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansungu, Kalomo District, Southern Province. 1090m. Wild. Seed.
500651. ZM-1228. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansungu, Kalomo District, Southern Province. 1090m. Wild. Seed.
500652. ZM-1239. Zambia. Latitude: 17 deg 31 m S; Longitude: 026 deg 04 m E. Collected May 06, 1981. Luyaba, Kalomo District, Southern Province. 1168m. Local name Cisyungwa. Wild. Seed.
500653. ZM-1255. Zambia. Latitude: 17 deg 22 m S; Longitude: 026 deg 14 m E. Collected May 06, 1981. End of Kanchele, Kalomo District, Southern Province. 1275m. Wild. Seed.
500654. ZM-1260. Zambia. Latitude: 17 deg 09 m S; Longitude: 026 deg 21 m E. Collected May 06, 1981. Another village after Kanchele, Kalomo District, Southern Province. 1275m. Wild. Seed.
500655. ZM-1439. Zambia. Latitude: 16 deg 13 m S; Longitude: 027 deg 31 m E. Collected May 09, 1981. Sivubwa, Monze District, Southern Province. 1130m. Local name Namanga. Wild. Seed.
500656. ZM-1464. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Local name Luyuni. Wild. Seed.
500657. ZM-1539. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 16 m E. Collected May 16, 1981. Sichima, Mongu District, Western Province. Wild. Seed.
500658. ZM-1640. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Wild. Seed.
500659. ZM-1728. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Malondo, Kalabo District, Western Province. Wild. Seed.
500660. ZM-1730. Zambia. Latitude: 14 deg 58 m S; Longitude: 022 deg 36 m E. Collected May 17, 1981. Loke, Kalabo District, Western Province. Wild. Seed.
500661. ZM-1748. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Wild. Seed.

500649 TO 500685-continued

500662. ZM-1808. Zambia. Latitude: 15 deg 11 m S; Longitude: 022 deg 47 m E. Collected May 18, 1981. Kalumba, Kalabo District, Western Province. Wild. Seed.
500663. ZM-1822. Zambia. Latitude: 15 deg 13 m S; Longitude: 022 deg 42 m E. Collected May 18, 1981. Kangongo, Kalabo District, Western Province. Wild. Seed.
500664. ZM-1897. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 30 m E. Collected May 18, 1981. Samachae, Kaoma District, Western Province. Wild. Seed.
500665. ZM-2003. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Local name Shishungwa. Wild. Seed.
500666. ZM-2083. Zambia. Latitude: 14 deg 53 m S; Longitude: 025 deg 22 m E. Collected May 23, 1981. Mbambe, Kaoma District, Western Province. Wild. Seed.
500667. ZM-2248. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Local name Lubanga. Wild. Seed.
500668. ZM-2264. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 21 m E. Collected June 02, 1981. Mukuka, Ndola District, Copperbelt Province. Cultivated. Seed.
500669. ZM-2291. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Local name Lubanga. Wild. Seed.
500670. ZM-2382. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East, Copperbelt Province. Wild. Seed.
500671. ZM-2401. Zambia. Latitude: 13 deg 32 m S; Longitude: 027 deg 55 m E. Collected June 04, 1981. Shikalemse, Ndola East District, Copperbelt Province. Wild. Seed.
500672. ZM-2462. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Wild. Seed.
500673. ZM-2503. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Wild. Seed.
500674. ZM-2545. Zambia. Latitude: 12 deg 54 m S; Longitude: 028

500649 TO 500685-continued

- deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Cultivated. Seed.
500675. ZM-2586. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 08, 1981. Roadside field, Ndola Rural West, Copperbelt Province. Local name Luwanga. Wild. Seed.
500676. ZM-2601. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Local name Luwanga. Wild. Seed.
500677. ZM-2822. Zambia. Latitude: 11 deg 30 m S; Longitude: 029 deg 36 m E. Collected June 12, 1981. Chilemba, Samfya District, Luapula Province. Local name Luwanga. Wild. Seed.
500678. ZM-2858. Zambia. Latitude: 11 deg 06 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Pantaleo, Samfya District, Luapula Province. Local name Luwanga. Wild. Seed.
500679. ZM-2877. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 37 m E. Collected June 13, 1981. Mwanakasoma, Samfya District, Luapula Province. Wild. Seed.
500680. ZM-2888. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Mwewa, Samfya District, Luapula Province. Wild. Seed.
500681. ZM-2975. Zambia. Latitude: 10 deg 22 m S; Longitude: 028 deg E. Collected June 15, 1981. Yankonda farm, Mwense District, Luapula Province. Wild. Seed.
500682. ZM-2986. Zambia. Latitude: 10 deg 09 m S; Longitude: 028 deg 35 m E. Collected June 16, 1981. Kasengu, Mwense District, Luapula Province. Local name Kwanga sheshi. Wild. Seed.
500683. ZM-2997. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 58 m E. Collected June 16, 1981. Chifuwa, Kawambwa District, Luapula Province. Local name Luwanga. Wild. Seed.
500684. ZM-3042. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Local name Kwangasheshi. Wild. Seed.
500685. ZM-3121. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 15 m E. Collected June 18, 1981. Chabanya, Kawambwa District, Luapula Province. Wild. Seed.

500686 TO 500695. *Helianthus annuus* L. (Asteraceae) Sunflower.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500686. ZM-1125. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected April 30, 1981. Mukuni, Kalomo District, Southern Province. Local name Malangazuba. Cultivated. Seed.
500687. ZM-1184. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Local name Malangazuba. Cultivated. Seed.
500688. ZM-1186. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500689. ZM-1187. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500690. ZM-1188. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500691. ZM-1189. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500692. ZM-1438. Zambia. Latitude: 16 deg 13 m S; Longitude: 027 deg 31 m E. Collected May 09, 1981. Sivubwa, Monze District, Southern Province. 1130m. Cultivated. Seed.
500693. ZM-1448. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Cultivated. Seed.
500694. ZM-1457. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chimpuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
500695. ZM-2911. Zambia. Latitude: 11 deg 17 m S; Longitude: 029 deg 21 m E. Collected June 14, 1981. Lupiya, Samfya District, Luapula Province. Cultivated. Seed.

500696 TO 500805. *Hibiscus* sp. (Malvaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.;

500696 TO 500805-continued

IBPGR; Mount Makulu Research Station; Rome, Italy;
Chilanga, Zambia. Received through International Board
for Plant Genetic Resources (IBPGR), Rome, Italy.
Received November 1981.

500696. ZM-1128. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Leaves and flowers eaten. Local name Mundambi. Cultivated. Seed.
500697. ZM-1158. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.
500698. ZM-1180. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Local name Mundambi. Cultivated. Seed.
500699. ZM-1196. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Cultivated. Seed.
500700. ZM-1212. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Wild. Seed.
500701. ZM-1376. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Leaves and flower petals eaten. Local name Mundambi. Cultivated. Seed.
500702. ZM-1411. Zambia. Latitude: 16 deg 05 m S; Longitude: 027 deg 23 m E. Collected May 09, 1981. Simbaye, Monze District, Southern Province. 1132m. Wild. Seed.
500703. ZM-1470. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Used for fiber. Local name Mukukwa. Cultivated. Seed.
500704. ZM-1488. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 09 m E. Collected May 13, 1981. Imuba, Mongu District, Western Province. 1052m. Mixture of Hibiscus cannabinus and H. lobatus. Local name Mundambi. Cultivated. Seed.
500705. ZM-1493. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 09 m E. Collected May 13, 1981. Imuba, Mongu District, Western Province. 1052m. Edible. Cultivated. Seed.
500706. ZM-1499. Zambia. Latitude: 15 deg 20 m S; Longitude: 023

500696 TO 500805-continued

- deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. White, green, and purple petal types. White most delicious. Cultivated. Seed.
500707. ZM-1500. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Encouraged weed. Stem more spiny than cultivated types. Eaten as fruit. Local name Kabuswe. Cultivated. Seed.
500708. ZM-1512. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Leaves eaten. Fruits not eaten. Local name Likuku. Cultivated. Seed.
500709. ZM-1514. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Used for fiber. Wild. Seed.
500710. ZM-1520. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Flower petals green. Local name Mundambi. Cultivated. Seed.
500711. ZM-1526. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Cultivated. Seed.
500712. ZM-1527. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Cultivated. Seed.
500713. ZM-1543. Zambia. Latitude: 15 deg 23 m S; Longitude: 023 deg 11 m E. Collected May 14, 1981. Somboko, Mongu District, Western Province. Mixture of wild, semi-domesticated, and domesticated types. Leaves, sepals, and petals eaten fresh or dried. Wild. Seed.
500714. ZM-1573. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Plants prostrate. Cultivated. Seed.
500715. ZM-1578. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Used for fiber. Cultivated. Seed.
500716. ZM-1582. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Plants semi-domesticated. Cultivated. Seed.

500696 TO 500805-continued

500717. ZM-1585. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Local name Limbumbu. Cultivated. Seed.
500718. ZM-1598. Zambia. Latitude: 15 deg 02 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Nateo, Mongu District, Western Province. Cultivated. Seed.
500719. ZM-1608. Zambia. Latitude: 14 deg 54 m S; Longitude: 023 deg 16 m E. Collected May 15, 1981. Nangulwe, Mongu District, Western Province. Local name Mundambi. Wild. Seed.
500720. ZM-1619. Zambia. Latitude: 15 deg 07 m S; Longitude: 023 deg 18 m E. Collected May 15, 1981. Macun, Mongu District, Western Province. Plants edible. Cultivated. Seed.
500721. ZM-1624. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Local name Mundambi. Wild. Seed.
500722. ZM-1636. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Young leaves eaten. Wild. Seed.
500723. ZM-1637. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Petals green. Well liked for edible purposes. Cultivated. Seed.
500724. ZM-1645. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Corollas green and pink. Green preferred for eating. Dried leaves and fruits eaten. Cultivated. Seed.
500725. ZM-1665. Zambia. Latitude: 15 deg S; Longitude: 022 deg 04 m E. Collected May 17, 1981. Sikongo, Kalabo District, Western Province. Green and purple types. Edible. Wild. Seed.
500726. ZM-1678. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Local name Mundambi. Cultivated. Seed.
500727. ZM-1736. Zambia. Latitude: 14 deg 58 m S; Longitude: 022 deg 36 m E. Collected May 17, 1981. Loke, Kalabo

500696 TO 500805-continued

- District, Western Province. Cultivated. Seed.
500728. ZM-1745. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Cultivated. Seed.
500729. ZM-1766. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 41 m E. Collected May 17, 1981. Atharukoboto, Kalabo District, Western Province. Cultivated. Seed.
500730. ZM-1773. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Fruits small. Cultivated. Seed.
500731. ZM-1775. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Corolla purple. Cultivated. Seed.
500732. ZM-1778. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Corolla green. Cultivated. Seed.
500733. ZM-1796. Zambia. Latitude: 15 deg 07 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kasaku, Kalabo District, Western Province. Plants prostrate. Wild. Seed.
500734. ZM-1802. Zambia. Latitude: 15 deg 07 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kaskaku, Kalabo District, Western Province. Plant purple. Wild. Seed.
500735. ZM-1805. Zambia. Latitude: 15 deg 11 m S; Longitude: 022 deg 47 m E. Collected May 18, 1981. Kalumba, Kalabo District, Western Province. Wild. Seed.
500736. ZM-1813. Zambia. Latitude: 15 deg 11 m S; Longitude: 022 deg 47 m E. Collected May 18, 1981. Kalumba, Kalabo District, Western Province. Semi-domesticated. Cultivated. Seed.
500737. ZM-1826. Zambia. Latitude: 15 deg 21 m S; Longitude: 022 deg 45 m E. Collected May 18, 1981. Mugongo, Kalabo District, Western Province. Local name Mundambi. Wild. Seed.
500738. ZM-1833. Zambia. Latitude: 15 deg 21 m S; Longitude: 022 deg 45 m E. Collected May 18, 1981. Mugongo, Kalabo District, Western Province. Used for fiber. Cultivated. Seed.
500739. ZM-1851. Zambia. Latitude: 14 deg 54 m S; Longitude: 024

500696 TO 500805-continued

- deg 45 m E. Collected May 20, 1981. Naliele Makina, Kaoma District, Western Province. Local name Mundambi. Wild. Seed.
500740. ZM-1676. Zambia. Latitude: 14 deg 36 m S; Longitude: 024 deg 33 m E. Collected May 20, 1981. Samalaesu, Kaoma District, Western Province. Plants green and purple. Wild. Seed.
500741. ZM-1895. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 30 m E. Collected May 20, 1981. Samachae, Kaoma District, Western Province. Wild. Seed.
500742. ZM-1903. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Wild. Seed.
500743. ZM-1932. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Plants green and purple. Wild. Seed.
500744. ZM-1952. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Wild. Seed.
500745. ZM-1955. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Plants green and purple. Possibly hybrids. Wild. Seed.
500746. ZM-1982. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Wild. Seed.
500747. ZM-1990. Zambia. Latitude: 15 deg 12 m S; Longitude: 024 deg 22 m E. Collected May 21, 1981. Kalingu, Kaoma District, Western Province. Wild. Seed.
500748. ZM-2010. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Local name Mutate. Cultivated. Seed.
500749. ZM-2014. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Small fruits, considered the best for edible purposes. Wild. Seed.
500750. ZM-2020. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 47 m E. Collected May 22, 1981. Bunonge Mandandi, Kaoma District, Western Province. Wild. Seed.

500696 TO 500805-continued

500751. ZM-2035. Zambia. Latitude: 14 deg 30 m S; Longitude: 024 deg 49 m E. Collected May 22, 1981. Suyoyelo, Kaoma District, Western Province. Fruit green and purple. Wild. Seed.
500752. ZM-2065. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Sindambi. Cultivated. Seed.
500753. ZM-2151. Zambia. Latitude: 14 deg 55 m S; Longitude: 027 deg 42 m E. Collected May 25, 1981. Kalusa, Mumbwa District, Western Province. Local name Mundambi. Wild. Seed.
500754. ZM-2229. Zambia. Latitude: 13 deg 09 m S; Longitude: 028 deg 48 m E. Collected June 02, 1981. Nkomani, Ndola District, Copperbelt Province. Fruit small. Local name Lumanda. Wild. Seed.
500755. ZM-2284. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 18 m E. Collected June 02, 1981. Beka, Ndola District, Copperbelt Province. Fruit small. Local name Lumanda. Wild. Seed.
500756. ZM-2359. Zambia. Latitude: 13 deg 13 m S; Longitude: 028 deg 24 m E. Collected June 04, 1981. Mwanapabo, Ndola East District, Copperbelt Province. Wild. Seed.
500757. ZM-2371. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Wild. Seed.
500758. ZM-2555. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Fruit not spiny, eaten fresh. Leaves eaten fresh and dried. Local name Lu Mand a. Cultivated. Seed.
500759. ZM-2560. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Cultivated. Seed.
500760. ZM-2565. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 09 m E. Collected June 07, 1981. Mumba, Kitwe Rural District, Copperbelt Province. Fruits not spiny. Cultivated. Seed.
500761. ZM-2587. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 08, 1981. Roadside field, Ndola Rural West District, Copperbelt Province. Local name Chise or Katolo. Cultivated. Seed.

500696 TO 500805-continued

500762. ZM-2628. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Fruit green with purple margins. Cultivated. Seed.
500763. ZM-2629. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Plants purple. Cultivated. Seed.
500764. ZM-2662. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Cultivated. Seed.
500765. ZM-2691. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma Farm, Kalulushi District, Copperbelt Province. Cultivated. Seed.
500766. ZM-2697. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma Farm, Kalulushi District, Copperbelt Province. Cultivated. Seed.
500767. ZM-2712. Zambia. Latitude: 11 deg 57 m S; Longitude: 028 deg 48 m E. Collected June 09, 1981. Zaire border, Luapula River District, Luapula Province. Wild. Seed.
500768. ZM-2713. Zambia. Latitude: 11 deg 57 m S; Longitude: 028 deg 48 m E. Collected June 09, 1981. Zaire border, Luapula River District, Luapula Province. Several fruits at each node. Wild. Seed.
500769. ZM-2719. Zambia. Latitude: 11 deg 12 m S; Longitude: 028 deg 54 m E. Collected June 11, 1981. Pemba, Mansa District, Luapula Province. Cultivated. Seed.
500770. ZM-2724. Zambia. Latitude: 11 deg 12 m S; Longitude: 028 deg 54 m E. Collected June 11, 1981. Pemba, Mansa District, Luapula Province. Cultivated. Seed.
500771. ZM-2744. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Local name Lumanda. Cultivated. Seed.
500772. ZM-2748. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 04 m E. Collected June 11, 1981. Kale, Mansa District, Luapula Province. Leaves simple. Cultivated. Seed.
500773. ZM-2791. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda farm, Samfya District, Luapula Province. Local name Masosowori. Cultivated. Seed.

500696 TO 500805-continued

500774. ZM-2800. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda farm, Samfya District, Luapula Province. Cultivated. Seed.
500775. ZM-2801. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda farm, Samfya District, Luapula Province. Flowers large. Wild. Seed.
500776. ZM-2802. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda farm, Samfya District, Luapula Province. Wild. Seed.
500777. ZM-2828. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 32 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Leaves and flowers purple. Cultivated. Seed.
500778. ZM-2831. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 32 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Local name Mulenibwe. Cultivated. Seed.
500779. ZM-2833. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 32 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Local name Lupangala. Cultivated. Seed.
500780. ZM-2842. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Corolla eaten and used for beer. Cultivated. Seed.
500781. ZM-2845. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Used for fiber. Local name Kachencete. Cultivated. Seed.
500782. ZM-2848. Zambia. Latitude: 11 deg 12 m S; Longitude: 029 deg 36 m E. Collected June 13, 1981. Marsh near a river, Samfya District, Luapula Province. Flowers large. Wild. Seed.
500783. ZM-2856. Zambia. Latitude: 11 deg 06 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Pantaleo, Samfya District, Luapula Province. Flowers yellow. Cultivated. Seed.
500784. ZM-2873. Zambia. Latitude: 10 deg 56 m S; Longitude: 029 deg 36 m E. Collected June 13, 1981. Bwacha, Samfya District, Luapula Province. Cultivated. Seed.
500785. ZM-2882. Zambia. Latitude: 10 deg 54 m S; Longitude: 029

500696 TO 500805-continued

- deg 37 m E. Collected June 13, 1981. Mwanakasoma, Samfya District, Luapula Province. Cultivated. Seed.
500786. ZM-2883. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 37 s E. Collected June 13, 1981. Mwanakasoma, Samfya District, Luapula Province. Plant shrub-like. Cultivated. Seed.
500787. ZM-2889. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Mwewa, Samfya District, Luapula Province. Leaves purple, thin. Wild. Seed.
500788. ZM-2895. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Mwewa, Samfya District, Luapula Province. Cultivated. Seed.
500789. ZM-2917. Zambia. Latitude: 11 deg 15 m S; Longitude: 029 deg 18 m E. Collected June 14, 1981. Kampolo, Mansa District, Luapula Province. Leaves purple. Ornamental. Cultivated. Seed.
500790. ZM-2941. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Lokondwe. Cultivated. Seed.
500791. ZM-2969. Zambia. Latitude: 10 deg 22 m S; Longitude: 028 deg E. Collected June 15, 1981. Yankonda farm, Mwense District, Luapula Province. Wild. Seed.
500792. ZM-2987. Zambia. Latitude: 10 deg 09 m S; Longitude: 028 deg 35 m E. Collected June 16, 1981. Kasengu, Mwense District, Luapula Province. Local name Mulenga. Wild. Seed.
500793. ZM-2990. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 58 m E. Collected June 16, 1981. Chifuwa, Kawambwa District, Luapula Province. Cultivated. Seed.
500794. ZM-3002. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 58 m E. Collected June 16, 1981. Chifuwa, Kawambwa District, Luapula Province. Local name Lumande. Cultivated. Seed.
500795. ZM-3003. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 58 m E. Collected June 16, 1981. Chifuwa, Kawambwa District, Luapula Province. Local name Kashinda. Wild. Seed.
500796. ZM-3025. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 55 m E. Collected June 16, 1981. Forest between Kazemare, Kawambwa District, Luapula Province. Wild. Seed.

500696 TO 500805-continued

500797. ZM-3038. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Flowers large, yellow. Cultivated. Seed.
500798. ZM-3039. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Local name Kashinda. Cultivated. Seed.
500799. ZM-3048. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Flowers large. Used for wine making. Cultivated. Seed.
500800. ZM-3052. Zambia. Latitude: 09 deg 12 m S; Longitude: 028 deg 49 m E. Collected June 17, 1981. Mwatishi, Nchelenge District, Luapula Province. Plant tall, branched. Cultivated. Seed.
500801. ZM-3069. Zambia. Latitude: 09 deg 01 m S; Longitude: 029 deg 02 m E. Collected June 17, 1981. Chununge, Nchelenge District, Luapula Province. Leaves purple. Ornamental. Cultivated. Seed.
500802. ZM-3088. Zambia. Latitude: 09 deg 32 m S; Longitude: 028 deg 54 m E. Collected June 18, 1981. Mulwe, Nchelenge District, Luapula Province. Cultivated. Seed.
500803. ZM-3089. Zambia. Latitude: 09 deg 32 m S; Longitude: 028 deg 54 m E. Collected June 18, 1981. Mulwe, Nchelenge District, Luapula Province. Cultivated. Seed.
500804. ZM-3124. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 15 m E. Collected June 18, 1981. Chabanya, Kawambwa District, Luapula Province. Plant purple. Shrubby. Cultivated. Seed.
500805. ZM-3128. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 15 m E. Collected June 18, 1981. Chabanya, Kawambwa District, Luapula Province. Edible. Cultivated. Seed.

500806. *Ipomoea* sp. (Convolvulaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

ZM-3051. Zambia. Latitude: 09 deg 12 m S; Longitude: 028

500806-continued

deg 49 m E. Collected June 17, 1981. Mwatishi, Nchelenge District, Luapula Province. Ornamental. Cultivated. Seed.

500807 TO 500899. *Lagenaria siceraria* (Mol.) Standl. (Cucurbitaceae)
Bottle gourd.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500807. ZM-1013. Zambia. Latitude: 15 deg 24 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuko, Lusaka District, Lusaka Province. 1150m. Local name Mgungu. Cultivated. Seed.
500808. ZM-1018. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 45 m E. Collected April 27, 1981. Chalimbana, Lusaka District, Lusaka Province. 1152m. Fruit green and spiny. Local name Mgungu. Cultivated. Seed.
500809. ZM-1051. Zambia. Latitude: 13 deg 22 m S; Longitude: 029 deg 22 m E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Local name Insupa. Cultivated. Seed.
500810. ZM-1061. Zambia. Latitude: 13 deg 22 m S; Longitude: 029 deg 22 m E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Local name Myunga. Cultivated. Seed.
500811. ZM-1090. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Cultivated. Seed.
500812. ZM-1096. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Local name Insupa. Cultivated. Seed.
500813. ZM-1098. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Cultivated. Seed.
500814. ZM-1136. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Local name Mungu. Cultivated. Seed.
500815. ZM-1147. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo

500807 TO 500899-continued

District, Southern Province. Cultivated. Seed.

500816. ZM-1194. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Fruit green. Local name Bounta. Cultivated. Seed.
500817. ZM-1230. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansungo, Kalomo District, Southern Province. 1090m. Fruit green. Cultivated. Seed.
500818. ZM-1233. Zambia. Latitude: 17 deg 36 m S; Longitude: 026 deg E. Collected May 06, 1981. Siansungo, Kalomo District, Southern Province. 1090m. Cultivated. Seed.
500819. ZM-1238. Zambia. Latitude: 17 deg 31 m S; Longitude: 026 deg 04 m E. Collected May 06, 1981. Luyaba, Kalomo District, Southern Province. 1168m. Cultivated. Seed.
500820. ZM-1247. Zambia. Latitude: 17 deg 27 m S; Longitude: 026 deg 05 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1270m. Cultivated. Seed.
500821. ZM-1264. Zambia. Latitude: 17 deg 09 m S; Longitude: 026 deg 21 m E. Collected May 06, 1981. Another village after Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.
500822. ZM-1274. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Rind excessive. Cultivated. Seed.
500823. ZM-1302. Zambia. Latitude: 16 deg ; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Received as *Luffa cylindrica*. Cultivated. Seed.
500824. ZM-1386. Zambia. Latitude: 16 deg 21 m S; Longitude: 027 deg E. Collected May 08, 1981. Manamambo, Monze District, Southern Province. 1128m. Cultivated. Seed.
500825. ZM-1461. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
500826. ZM-1473. Zambia. Latitude: 15 deg 54 m S; Longitude: 028 deg 09 m E. Collected May 10, 1981. Melima, Kafue District, Southern Province. 1297m. Cultivated. Seed.
500827. ZM-1537. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 16 m E. Collected May 14, 1981. Sichima, Mongu District, Western Province. Local name Sihwana.

500807 TO 500899-continued
Cultivated. Seed.

500828. ZM-1607. Zambia. Latitude: 14 deg 54 m S; Longitude: 023 deg 16 m E. Collected May 15, 1981. Nangulwe, Mongu District, Western Province. Cultivated. Seed.
500829. ZM-1633. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Local name Malaka. Wild. Seed.
500830. ZM-1635. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Rind black. Wild. Seed.
500831. ZM-1688. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Cultivated. Seed.
500832. ZM-1689. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Cultivated. Seed.
500833. ZM-1690. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Cultivated. Seed.
500834. ZM-1713. Zambia. Latitude: 14 deg 53 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Chinoya Chinonge, Kalabo District, Western Province. Cultivated. Seed.
500835. ZM-1723. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Malondo, Kalabo District, Western Province. Cultivated. Seed.
500836. ZM-1727. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Malondo, Kalabo District, Western Province. Cultivated. Seed.
500837. ZM-1740. Zambia. Latitude: 14 deg 55 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Cultivated. Seed.
500838. ZM-1741. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Cultivated. Seed.
500839. ZM-1746. Zambia. Latitude: 14 deg 55 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Cultivated. Seed.
500840. ZM-1764. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 41 m E. Collected May 17, 1981. Atharukoboto, Kalabo District, Western Province. Cultivated. Seed.

500807 TO 500899-continued

500841. ZM-1809. Zambia. Latitude: 15 deg 11 m S; Longitude: 022 deg 47 m E. Collected May 18, 1981. Kalumba, Kalabo District, Western Province. Cultivated. Seed.
500842. ZM-1818. Zambia. Latitude: 15 deg 13 m S; Longitude: 022 deg 42 m E. Collected May 18, 1981. Kangongo, Kalabo District, Western Province. Cultivated. Seed.
500843. ZM-1848. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Local name Maraka. Cultivated. Seed.
500844. ZM-1849. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Cultivated. Seed.
500845. ZM-1850. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Cultivated. Seed.
500846. ZM-1855. Zambia. Latitude: 14 deg 54 m S; Longitude: 024 deg 45 m E. Collected May 20, 1981. Naliele Makina, Kaoma District, Western Province. Cultivated. Seed.
500847. ZM-1882. Zambia. Latitude: 14 deg 34 m S; Longitude: 024 deg 31 m E. Collected May 20, 1981. Nadola, Kaoma District, Western Province. Cultivated. Seed.
500848. ZM-1883. Zambia. Latitude: 14 deg 34 m S; Longitude: 024 deg 31 m E. Collected May 20, 1981. Nadola, Kaoma District, Western Province. Cultivated. Seed.
500849. ZM-1896. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 30 m E. Collected May 20, 1981. Samachae, Kaoma District, Western Province. Cultivated. Seed.
500850. ZM-1914. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Fruit small. Cultivated. Seed.
500851. ZM-1915. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Fruit large. Cultivated. Seed.
500852. ZM-1923. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Cultivated. Seed.
500853. ZM-1924. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Cultivated. Seed.

500807 TO 500899-continued

500854. ZM-1934. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Wild. Seed.
500855. ZM-1947. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Cultivated. Seed.
500856. ZM-1948. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Cultivated. Seed.
500857. ZM-1963. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
500858. ZM-1977. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
500859. ZM-1998. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Local name Shuwa. Cultivated. Seed.
500860. ZM-2007. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Local name Mativa. Cultivated. Seed.
500861. ZM-2030. Zambia. Latitude: 14 deg 31 m S; Longitude: 024 deg 48 m E. Collected May 22, 1981. Mananga, Kaoma District, Western Province. Cultivated. Seed.
500862. ZM-2051. Zambia. Latitude: 14 deg 27 m S; Longitude: 024 deg 49 m E. Collected May 22, 1981. Kapeshi, Kaoma District, Western Province. Local name Nsuma. Cultivated. Seed.
500863. ZM-2064. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Mukope. Cultivated. Seed.
500864. ZM-2066. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Sihwana. Cultivated. Seed.
500865. ZM-2115. Zambia. Latitude: 15 deg 18 m S; Longitude: 026 deg 57 m E. Collected May 23, 1981. Chenduwa Mwanadura, Mumbwa District, Central Province. Cultivated. Seed.

500807 TO 500899-continued

500866. ZM-2148. Zambia. Latitude: 14 deg 55 m S; Longitude: 027 deg 42 m E. Collected May 25, 1981. Kalusa, Mumbwa District, Central Province. Cultivated. Seed.
500867. ZM-2174. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Local name Nyimo. Cultivated. Seed.
500868. ZM-2175. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Cultivated. Seed.
500869. ZM-2178. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Local name Munga. Cultivated. Seed.
500870. ZM-2190. Zambia. Latitude: 12 deg 60 m S; Longitude: 028 deg 23 m E. Collected June 01, 1981. Musonda, Muflira District, Copperbelt Province. Local name Mungu. Cultivated. Seed.
500871. ZM-2204. Zambia. Latitude: 12 deg 38 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Chilela, Muflira District, Copperbelt Province. Local name Mungu. Cultivated. Seed.
500872. ZM-2212. Zambia. Latitude: 12 deg 39 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Machilikaphiri, Muflira District, Copperbelt Province. Cultivated. Seed.
500873. ZM-2220. Zambia. Latitude: 12 deg 45 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Kabuta, Ndola District, Copperbelt Province. Cultivated. Seed.
500874. ZM-2258. Zambia. Latitude: 13 deg 16 m S; Longitude: 028 deg 25 m E. Collected June 02, 1981. Rekih Chitakunya, Ndola District, Copperbelt Province. Cultivated. Seed.
500875. ZM-2290. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Local name Mungu. Cultivated. Seed.
500876. ZM-2320. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 54 m E. Collected June 03, 1981. Kambatika, Ndola East District, Copperbelt Province. Cultivated. Seed.
500877. ZM-2379. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.

500807 TO 500899-continued

500878. ZM-2387. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500879. ZM-2474. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500880. ZM-2475. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Local name Myungu. Cultivated. Seed.
500881. ZM-2520. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Fruit spiny. Cultivated. Seed.
500882. ZM-2554. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Local name Myungu. Cultivated. Seed.
500883. ZM-2568. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 09 m E. Collected June 07, 1981. Mumba, Kitwe Rural District, Copperbelt Province. Local name Mwungu. Cultivated. Seed.
500884. ZM-2593. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Local name Myungu. Cultivated. Seed.
500885. ZM-2619. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Local name Myungu. Cultivated. Seed.
500886. ZM-2638. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 15 m E. Collected June 08, 1981. Mwelaisha, Ndola Rural West District, Copperbelt Province. Local name Myungu. Cultivated. Seed.
500887. ZM-2660. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Local name Mwingu. Cultivated. Seed.
500888. ZM-2685. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma farm, Kalulushi District, Copperbelt Province. Local name Inkombo. Cultivated. Seed.

500807 TO 500899-continued

500889. ZM-2780. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda, Samfya District, Luapula Province. Local name Myunga. Cultivated. Seed.
500890. ZM-2851. Zambia. Latitude: 11 deg 06 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Pantaleo, Samfya District, Luapula Province. Local name Lunda. Cultivated. Seed.
500891. ZM-2852. Zambia. Latitude: 11 deg 06 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Pantaleo, Samfya District, Luapula Province. Local name Myangu. Cultivated. Seed.
500892. ZM-2862. Zambia. Latitude: 11 deg 01 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Tandeo, Samfya District, Luapula Province. Cultivated. Seed.
500893. ZM-2905. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 24 m E. Collected June 14, 1981. Near roadside village, Samfya District, Luapula Province. Local name Myunga. Cultivated. Seed.
500894. ZM-2925. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Insupa. Cultivated. Seed.
500895. ZM-2929. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Myungu. Cultivated. Seed.
500896. ZM-2952. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Lokomba. Cultivated. Seed.
500897. ZM-3005. Zambia. Latitude: 09 deg 54 m S; Longitude: 028 deg 58 m E. Collected June 16, 1981. Chifuwa, Kawambwa District, Luapula Province. Cultivated. Seed.
500898. ZM-3096. Zambia. Latitude: 09 deg 40 m S; Longitude: 029 deg 04 m E. Collected June 18, 1981. Kanyembo Camp, Nchelenge District, Luapula Province. Local name Insupa. Cultivated. Seed.
500899. ZM-3102. Zambia. Latitude: 09 deg 40 m S; Longitude: 029 deg 04 m E. Collected June 18, 1981. Kanyembo Camp, Nchelenge District, Luapula Province. Local name Imyungu. Cultivated. Seed.

500900 TO 500918. *Luffa aegyptiaca* Mill. (Cucurbitaceae) Vegetable sponge.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500900. ZM-1139. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Local name Chiponji. Cultivated. Seed.
500901. ZM-1294. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Received as *Luffa cylindrica*. Cultivated. Seed.
500902. ZM-1327. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwenbe District, Southern Province. Received as *Luffa cylindrica*. Cultivated. Seed.
500903. ZM-1359. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwenbe District, Southern Province. Received as *Luffa cylindrica*. Local name Mwpelo. Cultivated. Seed.
500904. ZM-1430. Zambia. Latitude: 16 deg 14 m S; Longitude: 027 deg 34 m E. Collected May 09, 1981. Changruga, Monze District, Southern Province. Cultivated. Seed.
500905. ZM-1505. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Received as *Luffa cylindrica*. Cultivated. Seed.
500906. ZM-1562. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Received as *Luffa cylindrica*. Cultivated. Seed.
500907. ZM-1680. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Received as *Luffa cylindrica*. Cultivated. Seed.
500908. ZM-1715. Zambia. Latitude: 14 deg 53 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Chinoya Chinonge, Kalabo District, Western Province. Cultivated. Seed.
500909. ZM-1868. Zambia. Latitude: 14 deg 44 m S; Longitude: 024 deg 36 m E. Collected May 20, 1985. Kagongwe, Kaoma

500900 TO 500918-continued

District, Western Province. Received as *Luffa cylindrica*.
Cultivated. Seed.

500910. ZM-2005. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1985. Savahinda, Kaoma District, Western Province. Local name Mipelo. Cultivated. Seed.
500911. ZM-2063. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Mupelo. Cultivated. Seed.
500912. ZM-2084. Zambia. Latitude: 14 deg 53 m S; Longitude: 025 deg 22 m E. Collected May 23, 1981. Mbambe, Kaoma District, Western Province. Cultivated. Seed.
500913. ZM-2518. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
500914. ZM-2558. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Local name Unwepu. Cultivated. Seed.
500915. ZM-2621. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Cultivated. Seed.
500916. ZM-2733. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Local name Mwepu. Cultivated. Seed.
500917. ZM-2923. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Local name Mukusha. Cultivated. Seed.
500918. ZM-3073. Zambia. Latitude: 09 deg 01 m S; Longitude: 029 deg 02 m E. Collected June 17, 1981. Chununge, Nchelenge District, Luapula Province. Cultivated. Seed.

500919 TO 500921. *Luffa* sp. (Cucurbitaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500919 TO 500921-continued

500919. ZM-2368. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.
500920. ZM-2441. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
500921. ZM-2863. Zambia. Latitude: 11 deg 01 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Tandeo, Samfya District, Luapula Province. Local name Mwepu. Cultivated. Seed.

500922. *Lycopersicon* sp. (Solanaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

ZM-2930. Zambia. Latitude: 11 deg 03 m S; Longitude: 028 deg 54 m E. Collected June 15, 1981. Roadside field, Mansa District, Luapula Province. Received as Pumpkin. Local name Chipusni. Cultivated. Seed.

500923 TO 500941. *Nicotiana tabacum* L. (Solanaceae) Tobacco.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500923. ZM-1435. Zambia. Latitude: 16 deg 14 m S; Longitude: 027 deg 34 m E. Collected May 09, 1981. Changruja, Monze District, Southern Province. Cultivated. Seed.
500924. ZM-1453. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Cultivated. Seed.
500925. ZM-1515. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 24 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Cultivated. Seed.
500926. ZM-1516. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Cultivated. Seed.

500923 TO 500941-continued

500927. ZM-1517. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 14 m E. Collected May 14, 1981. Kambundi, Mongu District, Western Province. Cultivated. Seed.
500928. ZM-1943. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Cultivated. Seed.
500929. ZM-2022. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 47 m E. Collected May 22, 1981. Bunonge Mandandi, Kaoma District, Western Province. Cultivated. Seed.
500930. ZM-2770. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 21 m E. Collected June 11, 1981. Kunda, Mansa District, Luapula Province. Local Name Fwaka. Cultivated. Seed.
500931. ZM-2827. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 32 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Cultivated. Seed.
500932. ZM-2846. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Cultivated. Seed.
500933. ZM-2866. Zambia. Latitude: 11 deg 01 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Tandeo, Samfya District, Luapula Province. Local name Fwaka. Cultivated. Seed.
500934. ZM-2875. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 37 m E. Collected June 13, 1981. Mwanakasoma, Samfya District, Luapula Province. Cultivated. Seed.
500935. ZM-2912. Zambia. Latitude: 11 deg 17 m S; Longitude: 029 deg 21 m E. Collected June 14, 1981. Lupiya, Samfya District, Luapula Province. Cultivated. Seed.
500936. ZM-3009. Zambia. Latitude: 09 deg 53 m S; Longitude: 029 deg 12 m E. Collected June 16, 1981. Kapamba, Kwambwa District, Luapula Province. Cultivated. Seed.
500937. ZM-3032. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Cultivated. Seed.
500938. ZM-3057. Zambia. Latitude: 09 deg 12 m S; Longitude: 028 deg 49 m E. Collected June 17, 1981. Mwatishi, Nchelenge District, Luapula Province. Cultivated. Seed.
500939. ZM-3072. Zambia. Latitude: 09 deg 01 m S; Longitude: 029

500923 TO 500941-continued

deg 02 m E. Collected June 17, 1981. Chununge, Nchelenge District, Luapula Province. Cultivated. Seed.

500940. ZM-3078. Zambia. Latitude: 08 deg 54 m S; Longitude: 029 deg 01 m E. Collected June 17, 1981. Mipa, Nchelenge District, Luapula Province. Cultivated. Seed.

500941. ZM-3134. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 12 m E. Collected June 18, 1981. Nachampama, Kawambwa District, Luapula Province. Cultivated. Seed.

500942 TO 500954. *Ocimum* sp. (Lamiaceae).

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500942. ZM-1455. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Wild. Seed.

500943. ZM-1503. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Wild. Seed.

500944. ZM-1551. Zambia. Latitude: 15 deg 23 m S; Longitude: 023 deg 11 m E. Collected May 14, 1981. Somboko, Mongu District, Western Province. Cultivated. Seed.

500945. ZM-1568. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Local name Simukanuka. Wild. Seed.

500946. ZM-1642. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Wild. Seed.

500947. ZM-1881. Zambia. Latitude: 14 deg 34 m S; Longitude: 024 deg 31 m E. Collected May 20, 1981. Nadola, Kaoma District, Western Province. Wild. Seed.

500948. ZM-1906. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Wild. Seed.

500949. ZM-1974. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.

500942 TO 500954-continued

500950. ZM-2044. Zambia. Latitude: 14 deg 27 m S; Longitude: 024 deg 49 m E. Collected May 22, 1981. Kapeshi, Kaoma District, Western Province. Cultivated. Seed.
500951. ZM-2282. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 18 m E. Collected June 02, 1981. Beka, Ndola District, Copperbelt Province. Cultivated. Seed.
500952. ZM-2477. Zambia. Latitude: 13 deg 23 m S; Longitude: 028 deg 13 m E. Collected May 05, 1981. Ztembo, Lake Kashiba Forest, Copperbelt Province. Wild. Seed.
500953. ZM-2523. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Wild. Seed.
500954. ZM-2786. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda farm, Samfya District, Luapula Province. Local name Lwena. Wild. Seed.

500955 TO 501109. *Sorghum bicolor* (L.) Moench (Poaceae) Sorghum.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

500955. ZM-1014. Zambia. Latitude: 15 deg 24 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Local name Maila. Cultivated. Seed.
500956. ZM-1023. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.
500957. ZM-1024. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.
500958. ZM-1038. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.
500959. ZM-1040. Zambia. Latitude: 13 deg 33 m S; Longitude: 029 deg 27 m E. Collected April 29, 1981. Chiponya, Mkushi District, Central Province. Sweet type. Local name Sonkwae. Cultivated. Seed.
500960. ZM-1041. Zambia. Latitude: 13 deg 33 m S; Longitude: 029

500955 TO 501109-continued

- deg 27 m E. Collected April 29, 1981. Chiponya, Mkushi District, Central Province. Grain type. Local name Amasakah. Cultivated. Seed.
500961. ZM-1052. Zambia. Latitude: 13 deg 22 m S; Longitude: 029 deg 22 m E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Sweet type. Local name Insonge. Cultivated. Seed.
500962. ZM-1070. Zambia. Latitude: 13 deg 24 m S; Longitude: 029 deg 18 m E. Collected April 29, 1981. Chandatole, Mkushi District, Central Province. Sweet type. Cultivated. Seed.
500963. ZM-1105. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Sweet type. Local name Insonge. Cultivated. Seed.
500964. ZM-1113. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.
500965. ZM-1118. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Local name Maelae. Cultivated. Seed.
500966. ZM-1145. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Grain type. Cultivated. Seed.
500967. ZM-1146. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Sweet type. Cultivated. Seed.
500968. ZM-1148. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.
500969. ZM-1160. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Wild. Seed.
500970. ZM-1167-A. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Wild. Seed.
500971. ZM-1167-B. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Wild. Seed.
500972. ZM-1170. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo

500955 TO 501109-continued

District, Southern Province. 1020m. Local name Maelae.
Wild. Seed.

500973. ZM-1172. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500974. ZM-1173. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500975. ZM-1174. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500976. ZM-1175. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500977. ZM-1176. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500978. ZM-1178. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500979. ZM-1179. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Cultivated. Seed.
500980. ZM-1235. Zambia. Latitude: 17 deg 31 m S; Longitude: 026 deg 04 m E. Collected May 06, 1981. Luyaba, Kalomo District, Southern Province. 1168m. Cultivated. Seed.
500981. ZM-1237. Zambia. Latitude: 17 deg 31 m S; Longitude: 026 deg 04 m E. Collected May 06, 1981. Luyaba, Kalomo District, Southern Province. 1168m. Cultivated. Seed.
500982. ZM-1243. Zambia. Latitude: 17 deg 27 m S; Longitude: 026 deg 05 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1270m. Sweet type. Cultivated. Seed.
500983. ZM-1257. Zambia. Latitude: 17 deg 22 m S; Longitude: 025 deg 14 m E. Collected May 06, 1981. End of Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.
500984. ZM-1258. Zambia. Latitude: 17 deg 09 m S; Longitude: 026 deg 21 m E. Collected May 06, 1981. Another village after Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.

500955 TO 501109-continued

500985. ZM-1261. Zambia. Latitude: 17 deg 09 m S; Longitude: 026 deg 21 m E. Collected May 06, 1981. Another village after Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.
500986. ZM-1278. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Local name Musale. Cultivated. Seed.
500987. ZM-1290. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Grain type. Cultivated. Seed.
500988. ZM-1305. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Cultivated. Seed.
500989. ZM-1325. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwembe District, Southern Province. Cultivated. Seed.
500990. ZM-1328. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwembe District, Southern Province. Sweet type. Cultivated. Seed.
500991. ZM-1333. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Siakunku, Gwembe District, Southern Province. Cultivated. Seed.
500992. ZM-1334. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Siakunku, Gwembe District, Southern Province. Cultivated. Seed.
500993. ZM-1338. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Siapaka, Gwembe District, Southern Province. Cultivated. Seed.
500994. ZM-1349. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwembe District, Southern Province. Cultivated. Seed.
500995. ZM-1351. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwembe District, Southern Province. Cultivated. Seed.
500996. ZM-1356. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwembe District, Southern Province. Cultivated. Seed.
500997. ZM-1372. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Cultivated. Seed.

500955 TO 501109-continued

500998. ZM-1373. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Cultivated. Seed.
500999. ZM-1374. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Cultivated. Seed.
501000. ZM-1396. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. Cultivated. Seed.
501001. ZM-1397. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. Cultivated. Seed.
501002. ZM-1414. Zambia. Latitude: 16 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Sigwidi, Monze District, Southern Province. Cultivated. Seed.
501003. ZM-1427. Zambia. Latitude: 16 deg 11 m S; Longitude: 027 deg 32 m E. Collected May 09, 1981. Madubansi, Monze District, Southern Province. Cultivated. Seed.
501004. ZM-1434. Zambia. Latitude: 16 deg 14 m S; Longitude: 027 deg 34 m E. Collected May 09, 1981. Changruga, Monze District, Southern Province. Local name Masale. Cultivated. Seed.
501005. ZM-1465. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Cultivated. Seed.
501006. ZM-1466. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Sweet type. Local name Masale. Cultivated. Seed.
501007. ZM-1536. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 16 m E. Collected May 14, 1981. Sichima, Mongu District, Western Province. Local name Mabele. Cultivated. Seed.
501008. ZM-1548. Zambia. Latitude: 15 deg 23 m S; Longitude: 023 deg 11 m E. Collected May 14, 1981. Somboko, Mongu District, Western Province. Cultivated. Seed.
501009. ZM-1549. Zambia. Latitude: 15 deg 23 m S; Longitude: 023 deg 11 m E. Collected May 14, 1981. Somboko, Mongu District, Western Province. Cultivated. Seed.
501010. ZM-1550. Zambia. Latitude: 15 deg 23 m S; Longitude: 023

500955 TO 501109-continued

- deg 11 m E. Collected May 14, 1981. Somboko, Mongu District, Western Province. Cultivated. Seed.
501011. ZM-1564. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Cultivated. Seed.
501012. ZM-1593. Zambia. Latitude: 15 deg 02 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Nateo, Mongu District, Western Province. Sweet type. Local name Nswe. Cultivated. Seed.
501013. ZM-1594. Zambia. Latitude: 15 deg 02 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Nateo, Mongu District, Western Province. Grain type. Local name Mabele. Cultivated. Seed.
501014. ZM-1604. Zambia. Latitude: 14 deg 54 m S; Longitude: 023 deg 16 m E. Collected May 15, 1981. Nangulwe, Mongu District, Western Province. Cultivated. Seed.
501015. ZM-1605. Zambia. Latitude: 14 deg 54 m S; Longitude: 023 deg 16 m E. Collected May 15, 1981. Nangulwe, Mongu District, Western Province. Cultivated. Seed.
501016. ZM-1618. Zambia. Latitude: 15 deg 07 m S; Longitude: 023 deg 18 m E. Collected May 15, 1981. Macun, Mongu District, Western Province. Cultivated. Seed.
501017. ZM-1629. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 16, 1981. Nakatongo, Kalabo District, Western Province. Local name Nswe. Wild. Seed.
501018. ZM-1649. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Cultivated. Seed.
501019. ZM-1652. Zambia. Latitude: 15 deg 05 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Sweet type. Cultivated. Seed.
501020. ZM-1655. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Cultivated. Seed.
501021. ZM-1657. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Cultivated. Seed.
501022. ZM-1686. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 18 m E. Collected May 17, 1981. Kalyata, Kalabo District, Western Province. Sweet type. Cultivated. Seed.

500955 TO 501109-continued

501023. ZM-1726. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Malondo, Kalabo District, Western Province. Cultivated. Seed.
501024. ZM-1747. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo District, Western Province. Cultivated. Seed.
501025. ZM-1765. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 41 m E. Collected May 17, 1981. Atharukoboto, Kalabo District, Western Province. Local name Mabele. Cultivated. Seed.
501026. ZM-1787. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Sweet type. Cultivated. Seed.
501027. ZM-1820. Zambia. Latitude: 15 deg 13 m S; Longitude: 022 deg 42 m E. Collected May 18, 1981. Kangongo, Kalabo District, Western Province. Cultivated. Seed.
501028. ZM-1841. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Sweet type. Cultivated. Seed.
501029. ZM-1847. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Sweet type. Cultivated. Seed.
501030. ZM-1858. Zambia. Latitude: 14 deg 54 m S; Longitude: 024 deg 45 m E. Collected May 20, 1981. Naliele Makina, Kaoma District, Western Province. Sweet type. Cultivated. Seed.
501031. ZM-1884. Zambia. Latitude: 14 deg 34 m S; Longitude: 024 deg 31 m E. Collected May 20, 1981. Nadola, Kaoma District, Western Province. Sweet type. Cultivated. Seed.
501032. ZM-1885. Zambia. Latitude: 10 deg 34 m S; Longitude: 024 deg 31 m E. Collected May 20, 1981. Nadola, Kaoma District, Western Province. Grain type. Cultivated. Seed.
501033. ZM-1900. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 30 m E. Collected May 20, 1981. Samachae, Kaoma District, Western Province. Cultivated. Seed.
501034. ZM-1918. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Sweet and grain type. Cultivated. Seed.
501035. ZM-1929. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma

500955 TO 501109-continued

- District, Western Province. Grain type. Cultivated. Seed.
501036. ZM-1938. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Cultivated. Seed.
501037. ZM-1946. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Cultivated. Seed.
501038. ZM-1965. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
501039. ZM-1981. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
501040. ZM-2031. Zambia. Latitude: 14 deg 31 m S; Longitude: 024 deg 48 m E. Collected May 22, 1981. Mananga, Kaoma District, Western Province. Cultivated. Seed.
501041. ZM-2072. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Sweet type. Local name Nswe. Cultivated. Seed.
501042. ZM-2073. Zambia. Latitude: 14 deg 51 m S; Longitude: 025 deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Grain type. Local name Makonga. Cultivated. Seed.
501043. ZM-2085. Zambia. Latitude: 14 deg 54 m S; Longitude: 025 deg 24 m E. Collected May 23, 1981. Mugandu, Kaoma District, Western Province. Grain type. Cultivated. Seed.
501044. ZM-2086. Zambia. Latitude: 14 deg 54 m S; Longitude: 025 deg 24 m E. Collected May 23, 1981. Mugandu, Kaoma District, Western Province. Sweet type. Cultivated. Seed.
501045. ZM-2103. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 06 m E. Collected May 23, 1981. Mupunda, Mumbwa District, Central Province. Cultivated. Seed.
501046. ZM-2106. Zambia. Latitude: 15 deg 06 m S; Longitude: 027 deg 09 m E. Collected May 23, 1981. Chambaulele, Mumbwa District, Central Province. Local name Mebele. Cultivated. Seed.
501047. ZM-2117. Zambia. Latitude: 15 deg 18 m S; Longitude: 026 deg 57 m E. Collected May 23, 1981. Chenduwa Mwanadura, Mumbwa District, Central Province. Cultivated. Seed.

500955 TO 501109-continued

501048. ZM-2124. Zambia. Latitude: 15 deg 24 m S; Longitude: 027 deg 03 m E. Collected May 23, 1981. Muzhinzhilishi, Mumbwa District, Central Province. Cultivated. Seed.
501049. ZM-2135. Zambia. Latitude: 15 deg 27 m S; Longitude: 027 deg 18 m E. Collected May 23, 1981. Moona, Mumbwa District, Central Province. Sweet type. Cultivated. Seed.
501050. ZM-2138. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 27 m E. Collected May 25, 1981. Molodoni, Mumbwa District, Central Province. Plants tall. Sweet type. Cultivated. Seed.
501051. ZM-2139. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 27 m E. Collected May 25, 1981. Molodoni, Mumbwa District, Central Province. Grain type. Cultivated. Seed.
501052. ZM-2153. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 55 m E. Collected May 25, 1981. Kapopo, Mumbwa District, Central Province. Sweet type. Cultivated. Seed.
501053. ZM-2170 B. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Sweet type. Cultivated. Seed.
501054. ZM-2171. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Cultivated. Seed.
501055. ZM-2195. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Musonda, Muflira District, Copperbelt Province. Sweet type. Local name Nsonge. Cultivated. Seed.
501056. ZM-2202. Zambia. Latitude: 12 deg 38 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Chilela farm, Muflira District, Copperbelt Province. Grain type. Cultivated. Seed.
501057. ZM-2215. Zambia. Latitude: 12 deg 39 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Machilikaphiri, Muflira District, Copperbelt Province. Cultivated. Seed.
501058. ZM-2254. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Sweet type. Cultivated. Seed.
501059. ZM-2286. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 18 m E. Collected June 02, 1981. Beka, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.

500955 TO 501109-continued

501060. ZM-2303. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Sweet type. Local name Sonje. Cultivated. Seed.
501061. ZM-2307. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Grain type. Local name Masaka. Cultivated. Seed.
501062. ZM-2315. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 54 m E. Collected June 03, 1981. Kambatika, Ndola East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501063. ZM-2317. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 54 m E. Collected June 03, 1981. Kambatika, Ndola East District, Copperbelt Province. Grain type. Cultivated. Seed.
501064. ZM-2323. Zambia. Latitude: 13 deg 31 m S; Longitude: 028 deg 44 m E. Collected June 03, 1981. Chamila, Ndola East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501065. ZM-2334. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Grain type. Cultivated. Seed.
501066. ZM-2345. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501067. ZM-2360. Zambia. Latitude: 13 deg 13 m S; Longitude: 028 deg 24 m E. Collected June 04, 1981. Mwanapabo, Ndola East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501068. ZM-2361. Zambia. Latitude: 13 deg 13 m S; Longitude: 028 deg 24 m E. Collected June 04, 1981. Mwanapabo, Ndola East District, Copperbelt Province. Grain type. Cultivated. Seed.
501069. ZM-2380. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Grain type. Cultivated. Seed.
501070. ZM-2389. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East

500955 TO 501109-continued

- District, Copperbelt Province. Sweet type. Cultivated. Seed.
501071. ZM-2403. Zambia. Latitude: 13 deg 32 m S; Longitude: 027 deg 55 m E. Collected June 04, 1981. Shikalemse, Ndola East District, Copperbelt Province. Grain type. Cultivated. Seed.
501072. ZM-2418. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 s E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Grain type. Cultivated. Seed.
501073. ZM-2422. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501074. ZM-2425. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Sweet type. Cultivated. Seed.
501075. ZM-2437. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Grain type. Local name Masaka. Cultivated. Seed.
501076. ZM-2454. Zambia. Latitude: 13 deg 09 m S; Longitude: 028 deg 24 m E. Collected June 05, 1981. Chikwati, Ndola Rural East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501077. ZM-2455. Zambia. Latitude: 13 deg 09 m S; Longitude: 028 deg 24 m E. Collected June 05, 1981. Chikwati, Ndola Rural East District, Copperbelt Province. Grain type. Cultivated. Seed.
501078. ZM-2456. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Grain type. Cultivated. Seed.
501079. ZM-2476. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501080. ZM-2489. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Grain type. Cultivated. Seed.

500955 TO 501109-continued

501081. ZM-2491. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501082. ZM-2499. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Sweet type. Cultivated. Seed.
501083. ZM-2500. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Grain type. Cultivated. Seed.
501084. ZM-2512. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 36 m E. Collected June 05, 1981. Mfukwe, Ndola Rural East District, Copperbelt Province. Grain type. Cultivated. Seed.
501085. ZM-2556. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Grain type. Local name Masaka. Cultivated. Seed.
501086. ZM-2589. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Local name Masaka. Cultivated. Seed.
501087. ZM-2600. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo, Ndola Rural West District, Copperbelt Province. Sweet type. Local name Nsonge. Cultivated. Seed.
501088. ZM-2609. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Sweet type. Cultivated. Seed.
501089. ZM-2610. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Grain type. Cultivated. Seed.
501090. ZM-2634. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 15 m E. Collected June 08, 1981. Mwelaisha, Ndola Rural West District, Copperbelt Province. Grain type. Cultivated. Seed.
501091. ZM-2640. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 15 m E. Collected June 08, 1981. Mwelaisha, Ndola

500955 TO 501109-continued

- Rural West District, Copperbelt Province. Sweet type.
Cultivated. Seed.
501092. ZM-2652. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Sweet type. Local name Masa. Cultivated. Seed.
501093. ZM-2653. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Grain type. Cultivated. Seed.
501094. ZM-2674. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 08, 1981. Kaoma Farm, Kalulushi District, Copperbelt Province. Grain type. Local name Masaka. Cultivated. Seed.
501095. ZM-2699. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 08, 1981. Kaoma Farm, Kalulushi District, Copperbelt Province. Sweet type. Cultivated. Seed.
501096. ZM-2739. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Grain type. Local name Masaka. Cultivated. Seed.
501097. ZM-2740. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Sweet type. Local name Eminwe. Cultivated. Seed.
501098. ZM-2773. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 21 m E. Collected June 11, 1981. Kunda, Mansa District, Luapula Province. Grain type. Cultivated. Seed.
501099. ZM-2783. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 11, 1981. Mapenda, Samfya District, Luapula Province. Sweet type. Local name Mesale. Cultivated. Seed.
501100. ZM-2820. Zambia. Latitude: 11 deg 30 m S; Longitude: 029 deg 36 m E. Collected June 12, 1981. Chilemba, Samfya District, Luapula Province. Sweet type. Local name Amesaka. Cultivated. Seed.
501101. ZM-2835. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Sweet type. Cultivated. Seed.
501102. ZM-2836. Zambia. Latitude: 11 deg 14 m S; Longitude: 029

500955 TO 501109-continued

- deg 30 m E. Collected June 13, 1981. Roadside field, Samfya District, Luapula Province. Cultivated. Seed.
501103. ZM-2894. Zambia. Latitude: 10 deg 54 m S; Longitude: 029 deg 39 m E. Collected June 13, 1981. Mwewa, Samfya District, Luapula Province. Grain type. Cultivated. Seed.
501104. ZM-2910. Zambia. Latitude: 11 deg 18 m S; Longitude: 029 deg 24 m E. Collected June 14, 1981. Near roadside village, Samfya District, Luapula. Sweet type. Cultivated. Seed.
501105. ZM-2915. Zambia. Latitude: 11 deg 15 m S; Longitude: 029 deg 18 m E. Collected June 14, 1981. Kampolo, Mansa District, Luapula Province. Grain type. Cultivated. Seed.
501106. ZM-3013. Zambia. Latitude: 09 deg 53 m S; Longitude: 029 deg 12 m E. Collected June 16, 1981. Kapamba, Kwambwa District, Luapula Province. Grain type. Cultivated. Seed.
501107. ZM-3014. Zambia. Latitude: 09 deg 53 m S; Longitude: 029 deg 12 m E. Collected June 16, 1981. Kapamba, Kwambwa District, Luapula Province. Sweet type. Cultivated. Seed.
501108. ZM-3037. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected May 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Local name Insonge. Cultivated. Seed.
501109. ZM-3104. Zambia. Latitude: 09 deg 40 m S; Longitude: 029 deg 04 m E. Collected June 18, 1981. Kanyembo Camp, Nchelenge District, Luapula Province. Sweet type. Cultivated. Seed.

501110 TO 501266. *Zea mays* L. (Poaceae) Corn.

From Zambia. Collected by Mehra, K.L.; Mulega, G.; Mahle, W.; IBPGR; Mount Makulu Research Station; Rome, Italy; Chilanga, Zambia. Received through International Board for Plant Genetic Resources (IBPGR), Rome, Italy. Received November 1981.

501110. ZM-1011. Zambia. Latitude: 15 deg 22 m S; Longitude: 028 deg 44 m E. Collected April 27, 1981. Chongwe Libuko, Lusaka District, Lusaka Province. 1150m. Local name Mapopwe. Cultivated. Seed.
501111. ZM-1021. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 45 m E. Collected April 27, 1981. Chalimbana, Lusaka District, Lusaka Province. 1152m. Cultivated. Seed.
501112. ZM-1022. Zambia. Latitude: 15 deg 25 m S; Longitude: 028

501110 TO 501266-continued

- deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.
501113. ZM-1033. Zambia. Latitude: 15 deg 25 m S; Longitude: 028 deg 42 m E. Collected April 27, 1981. Chongwe Libuku, Lusaka District, Lusaka Province. 1150m. Cultivated. Seed.
501114. ZM-1044. Zambia. Latitude: 13 deg 33 m S; Longitude: 029 deg 27 m E. Collected April 29, 1981. Chiponya, Mkushi District, Central Province. Local name Njelenjele. Cultivated. Seed.
501115. ZM-1047. Zambia. Latitude: 13 deg 22 m S; Longitude: 029 deg 22 m E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Drought resistant, early maturing. Local name Matoba bulala. Cultivated. Seed.
501116. ZM-1055. Zambia. Latitude: 13 deg 22 m S; Longitude: 029 deg 22 m E. Collected April 29, 1981. Mwelwa, Mkushi District, Central Province. Early maturing. Local name Katereka. Cultivated. Seed.
501117. ZM-1066. Zambia. Latitude: 13 deg 24 m S; Longitude: 029 deg 18 m E. Collected April 29, 1981. Chandatole, Mkushi District, Central Province. Local name Kanjele. Cultivated. Seed.
501118. ZM-1082. Zambia. Latitude: 14 deg 24 m S; Longitude: 028 deg 37 m E. Collected April 30, 1981. Jamschibuey, Mkushi District, Central Province. 1210m. Local name Katinaika. Cultivated. Seed.
501119. ZM-1086. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Cultivated. Seed.
501120. ZM-1093. Zambia. Latitude: 14 deg 27 m S; Longitude: 028 deg 30 m E. Collected April 30, 1981. Zakeyo, Kabwe District, Central Province. 1256m. Local name Itavaulalan. Cultivated. Seed.
501121. ZM-1110. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Local name Mapopwe. Cultivated. Seed.
501122. ZM-1127. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.
501123. ZM-1144. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.

501110 TO 501266-continued

501124. ZM-1156. Zambia. Latitude: 17 deg 45 m S; Longitude: 025 deg 32 m E. Collected May 05, 1981. Mukuni, Kalomo District, Southern Province. Cultivated. Seed.
501125. ZM-1185. Zambia. Latitude: 17 deg 39 m S; Longitude: 025 deg 11 m E. Collected May 05, 1981. Mambova, Kalomo District, Southern Province. 1020m. Local name Mapopwe. Cultivated. Seed.
501126. ZM-1199. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Local name Mapopwe. Cultivated. Seed.
501127. ZM-1210. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Cultivated. Seed.
501128. ZM-1211. Zambia. Latitude: 17 deg 44 m S; Longitude: 025 deg 52 m E. Collected May 06, 1981. Siasialumba, Kalomo District, Southern Province. 986m. Cultivated. Seed.
501129. ZM-1248. Zambia. Latitude: 17 deg 27 m S; Longitude: 026 deg 05 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1270m. Cultivated. Seed.
501130. ZM-1249. Zambia. Latitude: 17 deg 27 m S; Longitude: 026 deg 05 m E. Collected May 06, 1981. Kanchele, Kalomo District, Southern Province. 1270m. Cultivated. Seed.
501131. ZM-1259. Zambia. Latitude: 17 deg 09 m S; Longitude: 026 deg 21 m E. Collected May 06, 1981. Another village after Kanchele, Kalomo District, Southern Province. 1275m. Cultivated. Seed.
501132. ZM-1277. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Local name Kaile. Cultivated. Seed.
501133. ZM-1280. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Local name Kalle. Cultivated. Seed.
501134. ZM-1282. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Cultivated. Seed.
501135. ZM-1288. Zambia. Latitude: 17 deg S; Longitude: 026 deg E. Collected May 07, 1981. Siamungala, Kalomo District, Southern Province. Local name Dumbu. Cultivated. Seed.
501136. ZM-1291. Zambia. Latitude: 16 deg S; Longitude: 027 deg

501110 TO 501266-continued

- E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Local name Mapopwe. Cultivated. Seed.
501137. ZM-1306. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Local name Dumbu. Cultivated. Seed.
501138. ZM-1308. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 07, 1981. Fundabanyama, Choma District, Southern Province. 1398m. Local name Gileile. Cultivated. Seed.
501139. ZM-1312. Zambia. Latitude: 27 deg S; Longitude: 016 deg E. Collected May 07, 1981. Siachimputi, Choma District, Southern Province. Cultivated. Seed.
501140. ZM-1313. Zambia. Latitude: 27 deg S; Longitude: 016 deg E. Collected May 07, 1981. Siachimputi, Choma District, Southern Province. Local name Kaile. Cultivated. Seed.
501141. ZM-1315. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 07, 1981. Simunchembu, Gwembe District, Southern Province. Cultivated. Seed.
501142. ZM-1337. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Sinantandabe, Gwembe District, Southern Province. Cultivated. Seed.
501143. ZM-1341. Zambia. Latitude: 17 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 08, 1981. Sinazeze, Gwembe District, Southern Province. Local name Bunyangu. Cultivated. Seed.
501144. ZM-1353. Zambia. Latitude: 17 deg S; Longitude: 027 deg E. Collected May 08, 1981. Kagwamina, Gwembe District, Southern Province. Cultivated. Seed.
501145. ZM-1367. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Syazwela, Choma District, Southern Province. Cultivated. Seed.
501146. ZM-1380. Zambia. Latitude: 16 deg S; Longitude: 027 deg E. Collected May 08, 1981. Muzandu, Choma District, Southern Province. Cultivated. Seed.
501147. ZM-1383. Zambia. Latitude: 16 deg 21 m S; Longitude: 027 deg E. Collected May 08, 1981. Mananambo, Monze District, Southern Province. 1128m. Cultivated. Seed.
501148. ZM-1384. Zambia. Latitude: 16 deg 21 m S; Longitude: 027 deg E. Collected May 08, 1981. Mananambo, Monze District,

501110 TO 501266-continued

Southern Province. 1128m. Cultivated. Seed.

501149. ZM-1394. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. Cultivated. Seed.
501150. ZM-1395. Zambia. Latitude: 16 deg 12 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Malumani, Monze District, Southern Province. Early maturing. Cultivated. Seed.
501151. ZM-1420. Zambia. Latitude: 16 deg 09 m S; Longitude: 027 deg 27 m E. Collected May 09, 1981. Sigwidi, Monze District, Southern Province. Cobs short. Cultivated. Seed.
501152. ZM-1449. Zambia. Latitude: 16 deg 10 m S; Longitude: 027 deg 31 m E. Collected May 10, 1981. Chunka, Mazabuka District, Southern Province. 1141m. Cobs short. Cultivated. Seed.
501153. ZM-1467. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Local name Mapopwe. Cultivated. Seed.
501154. ZM-1468. Zambia. Latitude: 16 deg 02 m S; Longitude: 027 deg 38 m E. Collected May 10, 1981. Chipuma, Mazabuka District, Southern Province. 1024m. Local name Kampelya. Cultivated. Seed.
501155. ZM-1476. Zambia. Latitude: 15 deg 18 m S; Longitude: 023 deg 09 m E. Collected May 13, 1981. Imuba, Mongu District, Western Province. 1052m. Local name Mbonyi. Cultivated. Seed.
501156. ZM-1494. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 12 m E. Collected May 14, 1981. Nalyala, Mongu District, Western Province. Local name Mbonyi. Cultivated. Seed.
501157. ZM-1528. Zambia. Latitude: 15 deg 20 m S; Longitude: 023 deg 16 m E. Collected May 14, 1981. Sichima, Mongu District, Western Province. Cultivated. Seed.
501158. ZM-1566. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Cultivated. Seed.
501159. ZM-1569. Zambia. Latitude: 15 deg 09 m S; Longitude: 023 deg 10 m E. Collected May 15, 1981. Singanda, Mongu District, Western Province. Wild. Seed.
501160. ZM-1590. Zambia. Latitude: 15 deg 02 m S; Longitude: 023

501110 TO 501266-continued

- deg 10 m E. Collected May 15, 1981. Nateo, Mongu District, Western Province. Cultivated. Seed.
501161. ZM-1606. Zambia. Latitude: 14 deg 54 m S; Longitude: 023 deg 16 m E. Collected May 15, 1981. Nangulwe, Mongu District, Western Province. Cultivated. Seed.
501162. ZM-1610. Zambia. Latitude: 14 deg 51 m S; Longitude: 023 deg 21 m E. Collected May 15, 1981. Ngomakuubuma, Mongu District, Western Province. Cultivated. Seed.
501163. ZM-1615. Zambia. Latitude: 15 deg 07 m S; Longitude: 023 deg 18 m E. Collected May 15, 1981. Macun, Mongu District, Western Province. Cultivated. Seed.
501164. ZM-1630. Zambia. Latitude: 15 deg 04 m S; Longitude: 022 deg 41 m E. Collected May 15, 1981. Nakatongo, Kalabo District, Western Province. Local name Mbonyi. Wild. Seed.
501165. ZM-1643. Zambia. Latitude: 15 deg 05 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Cultivated. Seed.
501166. ZM-1650. Zambia. Latitude: 15 deg 06 m S; Longitude: 022 deg 42 m E. Collected May 16, 1981. Namalao, Kalabo District, Western Province. Cultivated. Seed.
501167. ZM-1675. Zambia. Latitude: 15 deg 01 m S; Longitude: 022 deg 09 m E. Collected May 17, 1981. Majete, Kalabo District, Western Province. Cultivated. Seed.
501168. ZM-1697. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 23 m E. Collected May 17, 1981. Lyato, Kalabo District, Western Province. Cultivated. Seed.
501169. ZM-1700. Zambia. Latitude: 14 deg 55 m S; Longitude: 022 deg 29 m E. Collected May 17, 1981. Sikiliti, Kalabo District, Western Province. Cultivated. Seed.
501170. ZM-1709. Zambia. Latitude: 14 deg 53 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Chinoya Chinonge, Kalabo District, Western Province. Cultivated. Seed.
501171. ZM-1725. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 31 m E. Collected May 17, 1981. Malondo, Kalabo District, Western Province. Cultivated. Seed.
501172. ZM-1735. Zambia. Latitude: 14 deg 58 m S; Longitude: 022 deg 36 m E. Collected May 17, 1981. Loke, Kalabo District, Western Province. Cultivated. Seed.
501173. ZM-1744. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 39 m E. Collected May 17, 1981. Chingenge, Kalabo

501110 TO 501266-continued

- District, Western Province. Cultivated. Seed.
501174. ZM-1754. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 41 m E. Collected May 17, 1981. Atharukoboto, Kalabo District, Western Province. Cultivated. Seed.
501175. ZM-1760. Zambia. Latitude: 14 deg 56 m S; Longitude: 022 deg 41 m E. Collected May 17, 1981. Atharukoboto, Kalabo District, Western Province. Good for milled meal. Cultivated. Seed.
501176. ZM-1770. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Cultivated. Seed.
501177. ZM-1774. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Cultivated. Seed.
501178. ZM-1781. Zambia. Latitude: 15 deg 02 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kalanga, Kalabo District, Western Province. Cultivated. Seed.
501179. ZM-1794. Zambia. Latitude: 15 deg 07 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kasaku, Kalabo District, Western Province. Cultivated. Seed.
501180. ZM-1803. Zambia. Latitude: 15 deg 07 m S; Longitude: 022 deg 41 m E. Collected May 18, 1981. Kasaku, Kalabo District, Western Province. Cultivated. Seed.
501181. ZM-1812. Zambia. Latitude: 15 deg 11 m S; Longitude: 022 deg 47 m E. Collected May 18, 1981. Kalumba, Kalabo District, Western Province. Cultivated. Seed.
501182. ZM-1817. Zambia. Latitude: 15 deg 13 m S; Longitude: 022 deg 42 m E. Collected May 18, 1981. Kangongo, Kalabo District, Western Province. Cultivated. Seed.
501183. ZM-1828. Zambia. Latitude: 15 deg 21 m S; Longitude: 022 deg 45 m E. Collected May 18, 1981. Mugongo, Kalabo District, Western Province. Wild. Seed.
501184. ZM-1836. Zambia. Latitude: 15 deg 21 m S; Longitude: 022 deg 45 m E. Collected May 18, 1981. Mugongo, Kalabo District, Western Province. Cultivated. Seed.
501185. ZM-1846. Zambia. Latitude: 14 deg 51 m S; Longitude: 024 deg 48 m E. Collected May 20, 1981. Kapupa, Kaoma District, Western Province. Cultivated. Seed.
501186. ZM-1874. Zambia. Latitude: 14 deg 36 m S; Longitude: 024 deg 33 m E. Collected May 20, 1981. Samalaesu, Kaoma

501110 TO 501266-continued

- District, Western Province. Cultivated. Seed.
501187. ZM-1902. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 24 m E. Collected May 20, 1981. Kaputula, Kaoma District, Western Province. Cultivated. Seed.
501188. ZM-1920. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Cultivated. Seed.
501189. ZM-1930. Zambia. Latitude: 14 deg 55 m S; Longitude: 024 deg 36 m E. Collected May 21, 1981. Stinge, Kaoma District, Western Province. Cultivated. Seed.
501190. ZM-1940. Zambia. Latitude: 15 deg S; Longitude: 024 deg 30 m E. Collected May 21, 1981. Kauchingu, Kaoma District, Western Province. Cultivated. Seed.
501191. ZM-1957. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
501192. ZM-1972. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
501193. ZM-1983. Zambia. Latitude: 15 deg 07 m S; Longitude: 024 deg 27 m E. Collected May 21, 1981. Katongo, Kaoma District, Western Province. Cultivated. Seed.
501194. ZM-1989. Zambia. Latitude: 15 deg 12 m S; Longitude: 024 deg 22 m E. Collected May 21, 1981. Kalingu, Kaoma District, Western Province. Cultivated. Seed.
501195. ZM-2001. Zambia. Latitude: 14 deg 45 m S; Longitude: 024 deg 44 m E. Collected May 22, 1981. Savahinda, Kaoma District, Western Province. Local name Mundele. Cultivated. Seed.
501196. ZM-2017. Zambia. Latitude: 14 deg 33 m S; Longitude: 024 deg 47 m E. Collected May 22, 1981. Bunonge Mandandi, Kaoma District, Western Province. Cultivated. Seed.
501197. ZM-2036. Zambia. Latitude: 14 deg 30 m S; Longitude: 024 deg 49 m E. Collected May 22, 1981. Suyoyelo, Kaoma District, Western Province. Cultivated. Seed.
501198. ZM-2043. Zambia. Latitude: 14 deg 27 m S; Longitude: 024 deg 49 m E. Collected May 22, 1981. Kapeshi, Kaoma District, Western Province. Local name Mundove. Cultivated. Seed.
501199. ZM-2077. Zambia. Latitude: 14 deg 51 m S; Longitude: 025

501110 TO 501266-continued

- deg 09 m E. Collected May 23, 1981. Kapalu, Kaoma District, Western Province. Local name Mbonyl. Cultivated. Seed.
501200. ZM-2081. Zambia. Latitude: 14 deg 53 m S; Longitude: 025 deg 22 m E. Collected May 23, 1981. Mbambe, Kaoma District, Western Province. Cultivated. Seed.
501201. ZM-2088. Zambia. Latitude: 14 deg 54 m S; Longitude: 025 deg 24 m E. Collected May 23, 1981. Mugandu, Kaoma District, Western Province. Cultivated. Seed.
501202. ZM-2100. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 05 m E. Collected May 23, 1981. Mupunda, Mumbwa District, Central Province. Cultivated. Seed.
501203. ZM-2116. Zambia. Latitude: 15 deg 18 m S; Longitude: 026 deg 57 m E. Collected May 23, 1981. Chenduwa Mwanadura, Mumbwa District, Central Province. Cultivated. Seed.
501204. ZM-2126. Zambia. Latitude: 15 deg 24 m S; Longitude: 027 deg 03 m E. Collected May 23, 1981. Muzhinzhilishi, Mumbwa District, Central Province. Cultivated. Seed.
501205. ZM-2133. Zambia. Latitude: 15 deg 27 m S; Longitude: 027 deg 16 m E. Collected May 23, 1981. Moono, Mumbwa District, Central Province. Cultivated. Seed.
501206. ZM-2147. Zambia. Latitude: 14 deg 55 m S; Longitude: 027 deg 42 m E. Collected May 25, 1981. Kalusa, Mumbwa District, Central Province. Local name Manchepebele. Cultivated. Seed.
501207. ZM-2155. Zambia. Latitude: 14 deg 54 m S; Longitude: 027 deg 55 m E. Collected May 25, 1981. Kapopo, Mumbwa District, Central Province. Cultivated. Seed.
501208. ZM-2166. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Cultivated. Seed.
501209. ZM-2167. Zambia. Latitude: 12 deg 32 m S; Longitude: 028 deg 18 m E. Collected June 01, 1981. Malisa, Muflira District, Copperbelt Province. Cultivated. Seed.
501210. ZM-2183. Zambia. Latitude: 12 deg 36 m S; Longitude: 028 deg 23 m E. Collected June 01, 1981. Musonda, Muflira District, Copperbelt Province. Local name Nyanje. Cultivated. Seed.
501211. ZM-2187. Zambia. Latitude: 12 deg 36 m S; Longitude: 028 deg 23 m E. Collected June 01, 1981. Musonda, Muflira District, Copperbelt Province. Cultivated. Seed.

501110 TO 501266-continued

501212. ZM-2200. Zambia. Latitude: 12 deg 38 m S; Longitude: 028 deg 27 m E. Collected June 01, 1981. Chilela farm, Muflira District, Copperbelt Province. Cobs 8-15cm long. Cultivated. Seed.
501213. ZM-2234. Zambia. Latitude: 13 deg 09 m S; Longitude: 028 deg 48 m E. Collected June 02, 1981. Nkomani, Ndola District, Copperbelt Province. Local name Chimanga. Cultivated. Seed.
501214. ZM-2247. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 43 m E. Collected June 02, 1981. Chungu, Ndola District, Copperbelt Province. Local name Nyanye. Cultivated. Seed.
501215. ZM-2263. Zambia. Latitude: 13 deg 16 m S; Longitude: 028 deg 25 m E. Collected June 02, 1981. Pekiah Chitakunya, Ndola District, Copperbelt Province. Cultivated. Seed.
501216. ZM-2285. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 18 m E. Collected June 02, 1981. Beka, Ndola District, Copperbelt Province. Cultivated. Seed.
501217. ZM-2300. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Local name Matada. Cultivated. Seed.
501218. ZM-2305. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 51 m E. Collected June 03, 1981. Chamina, Ndola Rural East District, Copperbelt Province. Local name Malavian. Cultivated. Seed.
501219. ZM-2316. Zambia. Latitude: 13 deg 24 m S; Longitude: 028 deg 54 m E. Collected June 03, 1981. Kambatika, Ndola East District, Copperbelt Province. Cultivated. Seed.
501220. ZM-2321. Zambia. Latitude: 13 deg 31 m S; Longitude: 028 deg 44 m E. Collected June 03, 1981. Chamila, Ndola East District, Copperbelt Province. Cultivated. Seed.
501221. ZM-2335. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
501222. ZM-2352. Zambia. Latitude: 13 deg 29 m S; Longitude: 028 deg 42 m E. Collected June 03, 1981. Makosa, Ndola East District, Copperbelt Province. Cultivated. Seed.
501223. ZM-2376. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.

501110 TO 501266-continued

501224. ZM-2377. Zambia. Latitude: 13 deg 25 m S; Longitude: 028 deg 27 m E. Collected June 04, 1981. Chafwa, Ndola East District, Copperbelt Province. Cultivated. Seed.
501225. ZM-2396. Zambia. Latitude: 13 deg 32 m S; Longitude: 027 deg 55 m E. Collected June 04, 1981. Shikalemse, Ndola East District, Copperbelt Province. Cultivated. Seed.
501226. ZM-2397. Zambia. Latitude: 13 deg 32 m S; Longitude: 027 deg 55 m E. Collected June 04, 1981. Shikalemse, Ndola East District, Copperbelt Province. Cultivated. Seed.
501227. ZM-2398. Zambia. Latitude: 13 deg 32 m S; Longitude: 027 deg 55 m E. Collected June 04, 1981. Shikalemse, Ndola East District, Copperbelt Province. Cultivated. Seed.
501228. ZM-2409. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Cultivated. Seed.
501229. ZM-2416. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Cultivated. Seed.
501230. ZM-2417. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Cultivated. Seed.
501231. ZM-2421. Zambia. Latitude: 13 deg 38 m S; Longitude: 027 deg 45 m E. Collected June 04, 1981. Senya, Ndola East District, Copperbelt Province. Cultivated. Seed.
501232. ZM-2426. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
501233. ZM-2427. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
501234. ZM-2429. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Yalukafu, Ndola Rural District, Copperbelt Province. Cultivated. Seed.
501235. ZM-2469. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 25 m E. Collected June 05, 1981. Ztembo, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
501236. ZM-2485. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Cultivated. Seed.

501110 TO 501266-continued

501237. ZM-2495. Zambia. Latitude: 13 deg 18 m S; Longitude: 028 deg 30 m E. Collected June 05, 1981. Shamaoma, Ndola East District, Copperbelt Province. Cultivated. Seed.
501238. ZM-2506. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
501239. ZM-2507. Zambia. Latitude: 13 deg 21 m S; Longitude: 028 deg 33 m E. Collected June 05, 1981. Chapula, Ndola Rural East District, Copperbelt Province. Cultivated. Seed.
501240. ZM-2543. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 30 m E. Collected June 06, 1981. Mobenze, Ndola District, Copperbelt Province. Cultivated. Seed.
501241. ZM-2559. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 13 m E. Collected June 07, 1981. Kafue, Kitwe Rural District, Copperbelt Province. Cultivated. Seed.
501242. ZM-2570. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg 09 m E. Collected June 07, 1981. Mumba, Kitwe Rural District, Copperbelt Province. Cultivated. Seed.
501243. ZM-2602. Zambia. Latitude: 13 deg S; Longitude: 028 deg 06 m E. Collected June 08, 1981. Chitumbo Village, Ndola Rural West District, Copperbelt Province. Cultivated. Seed.
501244. ZM-2612. Zambia. Latitude: 13 deg 06 m S; Longitude: 028 deg 09 m E. Collected June 08, 1981. Sondashi, Ndola Rural West District, Copperbelt Province. Cultivated. Seed.
501245. ZM-2633. Zambia. Latitude: 13 deg 12 m S; Longitude: 028 deg 15 m E. Collected June 08, 1981. Mwelaisha, Ndola Rural West District, Copperbelt Province. Cultivated. Seed.
501246. ZM-2650. Zambia. Latitude: 12 deg 54 m S; Longitude: 028 deg E. Collected June 09, 1981. Unise Salukano, Kalulushi District, Copperbelt Province. Local name Punga. Cultivated. Seed.
501247. ZM-2670. Zambia. Latitude: 13 deg 03 m S; Longitude: 027 deg 55 m E. Collected June 09, 1981. Kaoma Farm, Kalulushi District, Copperbelt Province. Cultivated. Seed.
501248. ZM-2705. Zambia. Latitude: 13 deg 12 m S; Longitude: 027 deg 57 m E. Collected June 09, 1981. Kasoville Mbowaka, Kalulushi Ndola Rural West District, Copperbelt Province. Local name Filombe. Cultivated. Seed.

501110 TO 501266-continued

501249. ZM-2741. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg E. Collected June 11, 1981. Langi, Mansa District, Luapula Province. Local name Mathawa. Cultivated. Seed.
501250. ZM-2757. Zambia. Latitude: 11 deg 14 m S; Longitude: 029 deg 04 m E. Collected June 11, 1981. Kale, Mansa District, Luapula Province. Cultivated. Seed.
501251. ZM-2764. Zambia. Latitude: 11 deg 19 m S; Longitude: 029 deg 18 m E. Collected June 11, 1981. Kabende, Mansa District, Luapula Province. Local name Kameketa. Cultivated. Seed.
501252. ZM-2765. Zambia. Latitude: 11 deg 19 m S; Longitude: 029 deg 18 m E. Collected June 11, 1981. Kabende, Mansa District, Luapula Province. Local name Mataba. Cultivated. Seed.
501253. ZM-2789. Zambia. Latitude: 11 deg 22 m S; Longitude: 029 deg 24 m E. Collected June 12, 1981. Mapenda, Samfya District, Luapula Province. Local name Anatava. Cultivated. Seed.
501254. ZM-2818. Zambia. Latitude: 11 deg 30 m S; Longitude: 029 deg 36 m E. Collected June 12, 1981. Chilemba, Samfya District, Luapula Province. Local name Anatava. Cultivated. Seed.
501255. ZM-2971. Zambia. Latitude: 10 deg 22 m S; Longitude: 028 deg E. Collected June 15, 1981. Yankonda farm, Mwense District, Luapula Province. Cultivated. Seed.
501256. ZM-2977. Zambia. Latitude: 10 deg 22 m S; Longitude: 028 deg E. Collected June 15, 1981. Yankonda farm, Mwense District, Luapula Province. Cultivated. Seed.
501257. ZM-3026. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Local name Mataba. Cultivated. Seed.
501258. ZM-3027. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Cultivated. Seed.
501259. ZM-3034. Zambia. Latitude: 09 deg 18 m S; Longitude: 028 deg 44 m E. Collected June 17, 1981. Roadside farmers field, Nchelenge District, Luapula Province. Cultivated. Seed.
501260. ZM-3060. Zambia. Latitude: 09 deg 03 m S; Longitude: 028

501110 TO 501266-continued

- deg 58 m E. Collected June 17, 1981. Mukolwe, Nchelenge District, Luapula Province. Cultivated. Seed.
501261. ZM-3068. Zambia. Latitude: 09 deg 01 m S; Longitude: 029 deg 02 m E. Collected June 17, 1981. Chununge, Nchelenge District, Luapula Province. Cultivated. Seed.
501262. ZM-3075. Zambia. Latitude: 08 deg 54 m S; Longitude: 029 deg 01 m E. Collected June 17, 1981. Mipa, Nchelenge District, Luapula Province. Cultivated. Seed.
501263. ZM-3090. Zambia. Latitude: 09 deg 32 m S; Longitude: 028 deg 54 m E. Collected June 18, 1981. Mulwe, Nchelenge District, Luapula Province. Cultivated. Seed.
501264. ZM-3106. Zambia. Latitude: 09 deg 40 m S; Longitude: 029 deg 04 m E. Collected June 18, 1981. Kanyembo Camp, Nchelenge District, Luapula Province. Local name Khangirimelae. Cultivated. Seed.
501265. ZM-3127. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 15 m E. Collected June 18, 1981. Chabanya, Kawambwa District, Luapula Province. Cultivated. Seed.
501266. ZM-3136. Zambia. Latitude: 09 deg 54 m S; Longitude: 029 deg 12 m E. Collected June 18, 1981. Nachampama, Kwambwa District, Luapula Province. Cultivated. Seed.

501267 TO 501279. *Arachis hypogaea* L. subsp. *hypogaea* (Fabaceae).

From United States. Donated by Banks, D.J.; Plant Science and Water Conservation Laboratory, USDA-ARS; Stillwater, Oklahoma. Received through IBPGR, Rome, Italy. Received November 1985.

501267. BD 1251. Peru. Latitude: 12 deg 03 m S; Longitude: 077 deg 03 m W. Collected March 09, 1985. Market, Lima. 150m. Collected by D.J. Banks and M. Delgado P. Seeds bicolor red/white. Primitive Cultivar. Seed.
501268. BD 1252. Peru. Latitude: 12 deg 03 m S; Longitude: 077 deg 03 m W. Collected March 09, 1985. Market, Lima. 150m. Collected by D.J. Banks and M. Delgado P. Seeds tan. Primitive Cultivar. Seed.
501269. BDCp 1256. Peru. Latitude: 09 deg 29 m S; Longitude: 078 deg 17 m W. Collected March 13, 1985. Farm, 3km S of Casma, Ancash Department. 100m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds red. Plants growing on level ground in loam. Field irrigated. Two plants sampled. Local name Rojo italiano. Cultivar. Seed.

501267 TO 501279-continued

501270. BDCp 1259. Peru. Latitude: 09 deg 05 m S; Longitude: 078 deg 36 m W. Collected March 13, 1985. Market, Chimbote, Ancash Department. 50m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds bright purple. Local name Mani murado. Primitive Cultivar. Seed.
501271. B 1270. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds pink. Local name Criollo nacional (Rosado). Primitive Cultivar. Seed.
501272. B 1271. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds dark purple. Local name Morado gigante. Primitive Cultivar. Seed.
501273. B 1272. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds red. Local name Rojo gigante. Primitive Cultivar. Seed.
501274. B 1273. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds red. Local name Rojo rastrero. Primitive Cultivar. Seed.
501275. B 1274. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds pink. Local name Canete (Rosado). Primitive Cultivar. Seed.
501276. B 1275. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds pink. Primitive Cultivar. Seed.
501277. B 1276. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds pink. Primitive Cultivar. Seed.
501278. B 1278. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds purple. Local name Yungas (Morado). Primitive Cultivar. Seed.

501267 TO 501279-continued

501279. B 1279. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds pink. Local name Yungas (Rosado). Primitive Cultivar. Seed.

501280 TO 501295. *Arachis hypogaea* subsp. *fastigiata* Waldron (Fabaceae).

From United States. Donated by Banks, D.J.; Plant Science and Water Conservation Laboratory, USDA-ARS; Stillwater, Oklahoma. Received through IBPGR, Rome, Italy. Received November 1985.

501280. BD 1253. Peru. Latitude: 12 deg 03 m S; Longitude: 077 deg 03 m W. Collected March 09, 1985. Market, Lima. 150m. Collected by D.J. Banks and M. Delgado P. Seeds red. Primitive Cultivar. Seed.

501281. BDCp 1254. Peru. Latitude: 09 deg 30 m S; Longitude: 078 deg 15 m W. Collected March 13, 1985. Farm, 6km S of Casma, Ancash Department. 100m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds tan. Plants growing on level ground in loam with good drainage. Field irrigated. One plant sampled. Cultivar. Seed.

501282. BDCp 1255. Peru. Latitude: 09 deg 30 m S; Longitude: 078 deg 15 m W. Collected March 13, 1985. Farm, 6km S of Casma, Ancash Department. 100m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Stems red. Flowers reddish-orange. Seeds dark purple. Plants growing on level ground in loam with good drainage. Field irrigated. One plant sampled. Cultivar. Seed.

501283. BDCp 1257. Peru. Latitude: 09 deg 28 m S; Longitude: 078 deg 19 m W. Collected March 13, 1985. Market, Casma, Ancash Department. 100m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds red. Local name Rojo italiano. Cultivar. Seed.

501284. BDCp 1262-1. Peru. Latitude: 08 deg 06 m S; Longitude: 079 deg 02 m W. Collected March 15, 1985. Market, Trujillo, La Libertad Department. 150m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds pink. Cultivar. Seed.

501285. BDCp 1262-2. Peru. Latitude: 08 deg 06 m S; Longitude: 079 deg 02 m W. Collected March 15, 1985. Market, Trujillo, La Libertad Department. 150m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds dark purple. Cultivar. Seed.

501280 TO 501295-continued

501286. BDCp 1263. Peru. Latitude: 08 deg 06 m S; Longitude: 079 deg 02 m W. Collected March 15, 1985. Market, Trujillo, La Libertad Department. 150m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds red. Cultivar. Seed.
501287. BDCp 1264. Peru. Latitude: 08 deg 06 m S; Longitude: 079 deg 02 m W. Collected March 15, 1985. Market, Trujillo, La Libertad Department. 150m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds dark purple. Cultivar. Seed.
501288. BDCp 1266. Peru. Latitude: 09 deg 28 m S; Longitude: 078 deg 19 m W. Collected March 16, 1985. Market, Casma, Ancash Department. 100m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds tan with purple streaks. Primitive Cultivar. Seed.
501289. B 1280. Peru. La Molina. Universidad Nacional Agraria. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 16, 1985. 150m. Donated by G. del Carpio R. Seeds red. Originally from Mercado Huaraz, Ancash Department. Primitive Cultivar. Seed.
501290. B 1281. Peru. La Molina. Universidad Nacional Agraria. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 16, 1985. 150m. Donated by G. del Carpio R. Seeds purple. Originally from Mercado Celendin, Cajamarca. Primitive Cultivar. Seed.
501291. B 1282. Peru. La Molina. Universidad Nacional Agraria. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 16, 1985. 150m. Donated by G. del Carpio R. Seeds red. Originally from Mercado, Pedro Ruiz, Amazonas. Primitive Cultivar. Seed.
501292. B 1283-1. Peru. La Molina. Universidad Nacional Agraria. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 16, 1985. 150m. Donated by G. del Carpio R. Seeds tan. Originally from Mercado Bagua, Amazonas. Primitive Cultivar. Seed.
501293. B 1283-2. Peru. La Molina. Universidad Nacional Agraria. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 16, 1985. 150m. Donated by G. del Carpio R. Seeds red. Originally from Mercado Bagua, Amazonas. Primitive Cultivar. Seed.
501294. B 1284. Peru. La Molina. Universidad Nacional Agraria. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 16, 1985. 150m. Donated by G. del Carpio R. Seeds red. Local name Morado No. 5. Cultivar. Seed.

501280 TO 501295-continued

501295. B 1285. Peru. La Molina. Universidad Nacional Agraria. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 16, 1985. 150m. Donated by G. del Carpio R. Seeds red. Local name Italiano. Cultivar. Seed.

501296 TO 501300. *Arachis hypogaea* subsp. *hypogaea* var. *hirsuta* Kohler (Fabaceae).

From United States. Donated by Banks, D.J.; Plant Science and Water Conservation Laboratory, USDA-ARS; Stillwater, Oklahoma. Received through IBPGR, Rome, Italy. Received November 1985.

501296. BDCp 1258. Peru. Latitude: 09 deg 05 m S; Longitude: 078 deg 36 m W. Collected March 13, 1985. Market, Chimbote, Ancash Department. 50m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds brownish-purple. Local name Maní murado. Primitive Cultivar. Seed.

501297. BDCp 1260. Peru. Latitude: 08 deg 29 m S; Longitude: 078 deg 38 m W. Collected March 14, 1985. Farm, 8km E of Viru, La Libertad Department. 500m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Plants growing on level ground in sand. Field irrigated. Plants prostrate. Stems red. Flowers reddish-orange. Seeds brownish-purple. Two plants sampled. Reportedly drought tolerant. Primitive Cultivar. Seed.

501298. BDCp 1261. Peru. Latitude: 07 deg 41 m S; Longitude: 079 deg 19 m W. Collected March 15, 1985. Farm, 4km N of Paijan, La Libertad Department. 1500m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Plants growing on level ground in sand. Field irrigated. Seeds purple. Three plants sampled. Reportedly drought tolerant. Primitive Cultivar. Seed.

501299. BDCp 1265. Peru. Latitude: 08 deg 06 m S; Longitude: 079 deg 02 m W. Collected March 15, 1985. Market, Trujillo, La Libertad Department. 150m. Collected by D.J. Banks, M. Delgado P., and G. del Carpio R. Seeds brownish-purple. Primitive Cultivar. Seed.

501300. B 1263. Peru. La Molina, Lima Department. Estacion Experimental. Latitude: 12 deg 04 m S; Longitude: 077 deg 01 m W. Collected March 11, 1985. 150m. Donated by R. Montalvo S. Seeds purple. Local name Criollo nacional (Morado). Primitive Cultivar. Seed.

501301 TO 501480. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From United States. Donated by Percival, A.E.; USDA-ARS, Cotton

501301 TO 501480-continued

and Grain Crops Genetic Research, Texas A&M University;
College Station, Texas. Received through collectors A.E.
Percival, J.A. Schwendiman, J.-L. Belot.
Received April 1985.

- 501301.** P-11. Trinidad and Tobago. IRCT. IRCT 1065. Dooryard, NW of Piaraco Airport, Kelly, Tacarigua, St. George. Plant 3m tall. Boll medium-sized, oval-shaped. Lint white. Fuzz green. Nectaries one. Cultivated. Seed.
- 501302.** P-12. Trinidad and Tobago. IRCT. IRCT 1066. Roadside, 1 km SE of Port of Spain, on Beethen Hwy S, St. Annes, St. George. Plant 3.5m tall. Pubescence sparce. Lint white. Fuzz green/brown. Nectaries one. Locules 4. Wild. Seed.
- 501303.** P-13. Trinidad and Tobago. IRCT. IRCT 1067. Roadside, 3km SE of Port of Spain, on Beethen Hwy S, St. Annes, St. George. Plant 4m tall. Lint white. Fuzz green/brown. Nectaries one. Locules 4. Wild. Seed.
- 501304.** P-14. Trinidad and Tobago. IRCT. IRCT 1068. Roadside, 4km SE of Port of Spain, on Beethen Hwy S, St. Annes, St. George. Plant 3m tall. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Nectaries one. Locules 3-4. Wild. Seed.
- 501305.** P-15. Trinidad and Tobago. IRCT. IRCT 1069. Poadside, Kelly, Tacarigua, St. George. Plant 4m tall. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Leaves semi-okra shaped. Nectaries one. Wild. Seed.
- 501306.** P-16. Trinidad and Tobago. IRCT. IRCT 1070. Roadside, Kelly, Tacarigua, St. George. Plant 5m tall. Lint white. Fuzz green. Flowers yellow. Nectaries one. Locules 3-4. Wild. Seed.
- 501307.** P-19. Trinidad and Tobago. IRCT. IRCT 1073. Dooryard, St. Helen, Cunupia, Caroni. Plant 3m tall. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium. Pollen cream. Nectaries one. Cultivated. Seed.
- 501308.** P-20. Trinidad and Tobago. IRCT. IRCT 1074. Dooryard, St. Helen, Cunupia, Caroni. Plant 3m tall. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Pollen cream. Nectaries one. Cultivated. Seed.
- 501309.** P-21. Trinidad and Tobago. IRCT. IRCT 1075. Dooryard, St. Helen, Cunupia, Caroni. Plant 3.5m tall. Lint white. Fuzz green. Flowers yellow. Pollen cream/yellow. Nectaries one. Cultivated. Seed.
- 501310.** P-22. Trinidad and Tobago. IRCT. IRCT 1076. Dooryard, Chin Chin Road, 1.5km SE of Caroni, Cunupia, Caroni.

501301 TO 501480-continued

Plant glabrous. Lint white. Fuzz green/brown. Flowers yellow. Pollen cream. Nectaries one. Locules 4-3. Cultivated. Seed.

- 501311.** P-23. Trinidad and Tobago. IRCT. IRCT 1077. Dooryard, Chin Chin Road, 3km SE of Caroni, Cunupia, Caroni. Plant glabrous, 3m tall. Lint white. Fuzz green. Flowers yellow. Petal spot light. Nectaries one. Locules 3-4. Cultivated. Seed.
- 501312.** P-24. Trinidad and Tobago. IRCT. IRCT 1078. Dooryard, Las Lomas, Cunupia, Caroni. Plant glabrous, 5m tall. Lint white. Fuzz green. Flowers yellow. Pollen cream/yellow. Nectaries one. Cultivated. Seed.
- 501313.** P-25. Trinidad and Tobago. IRCT. IRCT 1079. Dooryard, Chin Chin road just W of Cunupia, Caroni. Plant glabrous. Lint white. Fuzz green/brown. Nectaries one. Locules 4-3. Cultivated. Seed.
- 501314.** P-26. Trinidad and Tobago. IRCT. IRCT 1080. Dooryard, southern main road, 2km N of Chaguanas, Caroni. Plant with sparse pubescence, 3m tall. Boll semi-round. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Pollen yellow. Nectaries one. Cultivated. Seed.
- 501315.** P-27. Trinidad and Tobago. IRCT. IRCT 1081. Dooryard, southern main road, Longdenville, Cunupia, Caroni. Plant glabrous, 4m tall. Lint white. Fuzz green. Nectaries one. Locules 4. Cultivated. Seed.
- 501316.** P-28. Trinidad and Tobago. IRCT. IRCT 1082. Dooryard, int. south main & Caparo Vally Basso rd, Longdenville, Cunupia. Plant 4m tall. Lint white. Fuzz green. Flowers yellow. Pollen cream/yellow. Nectaries one. Locules 4. Cultivated. Seed.
- 501317.** P-29. Trinidad and Tobago. IRCT. IRCT 1083. Dooryard, 1 km S of int. of Longdon Vally Basso rd, Longdenville, Cunupia. Plant 4m tall. Lint white. Fuzz green. Nectaries one. Cultivated. Seed.
- 501318.** P-30. Trinidad and Tobago. IRCT. IRCT 1084. Dooryard, 3km S of int. of Longdon Vally Basso rd, Longdenville, Cunupia. Plant glabrous, 6m tall. Lint white. Fuzz green. Nectaries one. Cultivated. Seed.
- 501319.** P-31. Trinidad and Tobago. IRCT. IRCT 1085. Dooryard, Flanagan Town, Chaguanas, Caroni. Plant with sparse pubescence, 4m tall. Lint white. Fuzz brown. Flowers yellow. Petal spot absent. Nectaries one. Cultivated. Seed.

501301 TO 501480-continued

501320. P-32. Trinidad and Tobago. IRCT. IRCT 1086. Dooryard, Flanagin Town, Chaguanas, Caroni. Plant with sparse pubescence, 3m tall. Lint white. Fuzz green. Flowers yellow. Petal spot deep. Pollen cream/yellow. Nectaries one. Cultivated. Seed.
501321. P-33. Trinidad and Tobago. IRCT. IRCT 1087. Dooryard, Flanagin Town, Chaguanas, Caroni. Plants glabrous, 4-5m tall. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Nectaries one. Cultivated. Seed.
501322. P-34. Trinidad and Tobago. IRCT. IRCT 1088. Dooryard, Guaracara, Point a Pierre, Victoria. Plants 7-8m tall. Boll pointed. Lint white. Fuzz green/brown. Flowers yellow. Petal spot deep. Pollen cream/yellow. Nectaries one. Cultivated. Seed.
501323. P-35. Trinidad and Tobago. IRCT. IRCT 1089. Dooryard, 1 km S of Guaracara, Point a Pierre, Victoria. Plants 6m tall. Lint light brown. Fuzz green. Bolls small, round. Flowers yellow. Petal spot medium. Nectaries one. Cultivated. Seed.
501324. P-36A. Trinidad and Tobago. IRCT. IRCT 1090. Roadside, W of Williamsville on Guaracara road, Savana Grande, Victoria. Plant 3m tall with sparse pubescence. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Nectaries one. Wild. Seed.
501325. P-36B. Trinidad and Tobago. IRCT. IRCT 1091. Roadside, W of Williamsville on Guaracara road, Savana Grande, Victoria. Plant 3-4m tall with sparse pubescence. Lint light brown. Fuzz green. Bolls medium-sized, pointed. Flowers yellow. Petal spot light. Nectaries one. Wild. Seed.
501326. P-37. Trinidad and Tobago. IRCT. IRCT 1092. Dooryard, S outskirts of Princes Town, Manahambre road, Savana Grande, Vic. Plant 2.5m tall, glabrous. Lint white. Fuzz green. Bolls small, round. Flowers yellow. Petal spot absent. Pollen yellow. Nectaries one. Cultivated. Seed.
501327. P-38. Trinidad and Tobago. IRCT. IRCT 1093. Roadside, Int. of San Fernando bypass & Manahambre rd, Savana Grande, Vic. Plant 4.5m tall. Lint light brown. Fuzz brown. Bolls small, oval. Nectaries one. Wild. Seed.
501328. P-39. Trinidad and Tobago. IRCT. IRCT 1094. Roadside, Int. of San Fernando bypass & Manahambre rd, Savana Grande, Vic. Plant 6-7m tall, glabrous. Lint white. Fuzz green. Bolls small, oval. Nectaries one. Wild. Seed.

501301 TO 501480-continued

501329. P-40A. Trinidad and Tobago. IRCT. IRCT 1095. Roadside, Int. of San Fernando bypass & Manahambre rd, Savana Grande, Vic. Plant 2m tall, glabrous. Lint light brown. Fuzz green. Bolls small, oval. Flowers yellow. Petal spot absent. Pollen cream. Nectaries one. Wild. Seed.
501330. P-40B. Trinidad and Tobago. IRCT. IRCT 1096. Dooryard, S main road entering San Fernando on N, Savana Grande, Victoria. Plant 7m tall, pubescence sparse. Lint light brown. Fuzz green. Bolls small, round. Nectaries one. Cultivated. Seed.
501331. P-41. Trinidad and Tobago. IRCT. IRCT 1097. Roadside, 2km SW of San Fernando on S-M-road, Naparima, Victoria. Plant 4m tall. Lint white. Fuzz green. Bolls small, oval/pointed. Nectaries one. Wild. Seed.
501332. P-42. Trinidad and Tobago. IRCT. IRCT 1098. Roadside, 4km SW of San Fernando on S-M-road, Naparima, Victoria. Plant 3m tall, glabrous. Lint light brown. Fuzz green/brown. Bolls round/pointed. Nectaries one. Wild. Seed.
501333. P-43. Trinidad and Tobago. IRCT. IRCT 1099. Dooryard, Alpero, E of Roussillac on S-M-road, La Brea, St. Patrick. Plant with sparse pubescence. Lint light brown. Fuzz brown. Flowers yellow. Petal spot medium. Pollen cream. Nectaries one. Cultivated. Seed.
501334. P-44. Trinidad and Tobago. IRCT. IRCT 1100. Dooryard, Chinease, La Brea, St. Patrick. Plant 3m tall, glabrous. Lint white. Fuzz green. Flowers yellow. Pollen cream. Nectaries one. Cultivated. Seed.
501335. P-45. Trinidad and Tobago. IRCT. IRCT 1101. Dooryard, Chinease, La Brea, St. Patrick. Plant 5m tall, glabrous. Lint white. Fuzz green. Nectaries one. Cultivated. Seed.
501336. P-46. Trinidad and Tobago. IRCT. IRCT 1102. Dooryard, Chinease, La Brea, St. Patrick. Plant 5m tall, medium pubescence. Lint white. Fuzz tan. Nectaries one. Cultivated. Seed.
501337. P-47. Trinidad and Tobago. IRCT. IRCT 1103. Roadside, N of Cochrane, La Brea, St. Patrick. Plant 2.5m tall, pubescence sparse. Lint white. Fuzz green. Flowers yellow. Petal spot medium. Bolls medium-sized, pointed. Pollen cream. Nectaries one. Wild. Seed.
501338. P-48. Trinidad and Tobago. IRCT. IRCT 1104. Dooryard, Cap de Ville, La Brea, St. Patrick. Plant 7m tall with sparse pubescence. Lint white. Fuzz brown. Flowers yellow. Petal spot light. Bolls small, oval. Pollen cream.

501301 TO 501480-continued

- Nectaries one. Wild. Seed.
501339. P-49. Trinidad and Tobago. IRCT. IRCT 1105. Dooryard, Kasidrasil, NE of Bonasse, Cedros, St. Patrick. Plant 8m tall with sparse pubescence. Lint light brown. Fuzz green. Flowers yellow. Petal spot absent. Pollen cream. Nectaries one. Wild. Seed.
501340. P-50. Trinidad and Tobago. IRCT. IRCT 1106. Dooryard, Icacos point and town, Cedros, St. Patrick. Plant glabrous. Lint white. Fuzz green/brown. Flowers yellow. Petal spot light. Bolls small, oval/pointed. Pollen cream. Nectaries one. Wild. Seed.
501341. P-51. Trinidad and Tobago. IRCT. IRCT 1107. Dooryard, east of San Francique on Erin road, Erin, St. Patrick. Plant 3m tall. Lint light brown. Fuzz green/brown. Flowers yellow. Petal spot absent. Pollen cream. Nectaries one. Wild. Seed.
501342. P-52. Trinidad and Tobago. IRCT. IRCT 1108. Dooryard, Palo Seco on old Erin road, Erin, St. Patrick. Plant 8m tall, pubescence sparse. Lint light brown. Fuzz green/brown. Flowers yellow. Petal spot medium. Bolls medium, oval/pointed. Pollen yellow. Nectaries one. Cultivated. Seed.
501343. P-53. Trinidad and Tobago. IRCT. IRCT 1109. Dooryard, SW of Siparia on Erin road, Siparia, St. Patrick. Plant 5.5m tall, pubescence sparse. Lint light brown. Fuzz dark green. Flowers yellow. Petal spot very light. Pollen cream. Nectaries one. Cultivated. Seed.
501344. P-54. Trinidad and Tobago. IRCT. IRCT 1110. Dooryard, SW of Siparia on Erin road, Siparia, St. Patrick. Plant 3m tall, glabrous. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Bolls medium-sized, oval/pointed. Pollen yellow. Nectaries one. Cultivated. Seed.
501345. P-55. Trinidad and Tobago. IRCT. IRCT 1111. Roadside, Penal, Siparia, St. Patrick. Plant 4-5m tall, glabrous. Lint white. Fuzz green/brown. Flowers yellow. Bolls small, oval/pointed. Pollen cream. Nectaries one. Wild. Seed.
501346. P-56. Trinidad and Tobago. IRCT. IRCT 1112. Roadside, sugar cane field, N of Debe, Naparima, Victoria. Plant 4m tall, glabrous. Lint white. Fuzz green. Flowers yellow. Petal spot medium. Bolls small, round/pointed. Pollen cream. Nectaries one. Wild. Seed.
501347. P-57. Trinidad and Tobago. IRCT. IRCT 1113. Dooryard, St. Julien, Savana Grande, Victoria. Plant 3.5m tall,

501301 TO 501480-continued

- glabrous. Lint light brown. Fuzz dark green. Flowers yellow. Petal spot medium. Bolls small, round/pointed. Pollen cream. Nectaries one. Cultivated. Seed.
501348. P-60. Trinidad and Tobago. IRCT. IRCT 1116. Dooryard, Biche on Southern road, Charuma, Nariva. Plant pubescence sparse. Lint white. Fuzz green. Flowers yellow. Pollen cream. Nectaries one. Cultivated. Seed.
501349. P-61. Trinidad and Tobago. IRCT. IRCT 1117. Dooryard, Biche on Southern road, Charuma, Nariva. Plant with sparse pubescence. Lint white. Fuzz green. Flowers yellow. Bolls small, pointed. Pollen cream. Nectaries one. Cultivated. Seed.
501350. P-62. Trinidad and Tobago. IRCT. IRCT 1118. Dooryard, coalmine S of Sangre Grande, Southern rd, Manzanilla, St. Andrew. Plant with sparse pubescence. Lint white. Fuzz green. Flowers yellow. Petal spot light. Boll medium-sized, pointed. Pollen cream. Nectaries one. Cultivated. Seed.
501351. P-63. Trinidad and Tobago. IRCT. IRCT 1119. Dooryard, coalmine S of Sangre Grande, Southern rd, Manzanilla, St. Andrew. Plant with sparse pubescence. Lint white. Fuzz green/brown. Flowers yellow. Petal spot absent. Pollen cream. Nectaries one. Cultivated. Seed.
501352. P-64. Trinidad and Tobago. IRCT. IRCT 1120. Dooryard, Matura, on Toco main road, Matura, St. Andrew. Plant 3m tall with sparse pubescence. Lint white. Fuzz green. Bolls small, pointed. Cultivated. Seed.
501353. P-65. Trinidad and Tobago. IRCT. IRCT 1121. Dooryard, Matura, on Toco main road, Matura, St. Andrew. Plant with sparse pubescence. Lint white. Fuzz green/brown. Nectaries one. Cultivated. Seed.
501354. P-66. Trinidad and Tobago. IRCT. IRCT 1122. Dooryard, Balandra, S of Rampanalgas, Matura, St. Andrew. Plant with sparse pubescence. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium. Nectaries one. Cultivated. Seed.
501355. P-67. Trinidad and Tobago. IRCT. IRCT 1123. Dooryard, south of Redhead, Toco, St. David. Plant glabrous. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium. Pollen cream. Cultivated. Seed.
501356. P-68. Trinidad and Tobago. IRCT. IRCT 1124. Dooryard, Lansnoire, E of Sans Souci, Toco, St. David. Plants 3-4m tall with sparse pubescence. Lint white. Fuzz olive green. Flowers yellow. Petal spot medium. Bolls medium-sized,

501301 TO 501480-continued

- pointed. Pollen cream. Nectaries one. Cultivated. Seed.
501357. P-69. Trinidad and Tobago. IRCT. IRCT 1125. Roadside, park area, Galera Point, Toco, St. David. Plant with sparse pubescence. Lint white. Fuzz green/brown. Flowers yellow. Bolls small, round. Pollen yellow/cream. Nectaries one. Wild. Seed.
501358. P-70. Trinidad and Tobago. IRCT. IRT 1126. Dooryard, Toco, Toco, St. David. Plant with sparse pubescence. Lint white. Fuzz green/brown. Bolls medium-sized, pointed. Nectaries one. Cultivated. Seed.
501359. P-71. Trinidad and Tobago. IRCT. IRT 1127. Dooryard, Valencia, Valencia, St. Andrew. Plant 7m tall, pubescence sparse. Lint white. Fuzz green/brown. Bolls large, pointed. Nectaries one. Cultivated. Seed.
501360. P-72. Trinidad and Tobago. IRCT. IRT 1128. Roadside, West Moran, W of Four Roads, Diego Martin, St. George. Plant 5m tall, glabrous. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium. Bolls medium-sized, oval. Pollen cream/yellow. Nectaries one. Wild. Seed.
501361. P-73. Trinidad and Tobago. IRCT. IRCT 1129. Roadside, turnoff to Pt Gourde on W-M road, E of P-O-S, Diego Martin. Plants 5m tall with sparse pubescence. Lint white. Fuzz brown. Flowers yellow. Bolls small, oval/pointed. Petal spot absent. Pollen cream. Nectaries one. Wild. Seed.
501362. P-74. Trinidad and Tobago. IRCT. IRCT 1130. Roadside, Chaguaramas, Diego Martin, St. George. Plant 3m tall with medium pubescence. Lint white. Fuzz green. Petal spot medium. Bolls medium-sized, round pointed. Nectaries one. Wild. Seed.
501363. P-75. Trinidad and Tobago. IRCT. IRCT 1131. Dooryard, Las Lomas No. 2, Cunupia, Caroni. Plant 3m tall with sparse pubescence. Lint white. Fuzz green. Flowers yellow. Petal spot medium. Bolls medium-sized, oval/pointed. Pollen cream/yellow. Cultivated. Seed.
501364. P-76. Trinidad and Tobago. IRCT. IRCT 1132. Dooryard, Bon Accord, St. Patrick. Plant 3m tall with sparse pubescence. Lint white. Fuzz green. Flowers yellow. Petal spot medium-light. Bolls medium-sized, pointed. Pollen cream. Nectaries one. Cultivated. Seed.
501365. P-77. Trinidad and Tobago. IRCT. IRCT 1133. Roadside, parkway NE of Bon Accord at intersec. of Milford rd, St. Patrick. Plant pubescence sparse. Lint white. Fuzz green/brown. Bolls medium-sized, oval. Wild. Seed.

501301 TO 501480-continued

501366. P-78. Trinidad and Tobago. IRCT. IRCT 1134. Dooryard, Scarborough, St. Patrick. Plant pubescence sparse. Lint white. Fuzz brown/green. Flowers yellow. Petal spot deep. Pollen cream. Bolls medium-sized, oval/pointed. Nectaries one. Cultivated. Seed.
501367. P-79. Trinidad and Tobago. IRCT. IRCT 1135. Roadside, seashore E of Scarborough, St. Patrick. Plant 4m tall, pubescence sparse. Lint white. Fuzz olive/brown. Bolls medium-sized, round/pointed. Nectaries one. Cultivated. Seed.
501368. P-80. Trinidad and Tobago. IRCT. IRCT 1136. Roadside, next to estuary S of Roxborough. Plant pubescence sparse. Lint white. Fuzz brown. Bolls medium-sized, oval/pointed. Nectaries one. Wild. Seed.
501369. P-81. Trinidad and Tobago. IRCT. IRCT 1137. Roadside, S of Plymouth, St. Patrick. Plant pubescence sparse. Lint white. Fuzz green. Nectaries one. Wild. Seed.
501370. P-82. Netherlands Antilles. IRCT. IRCT 1138. Dooryard, Rosendaalweg St., Willemstad, Curacao. Plant glabrous. Lint white. Fuzz dark green. Flowers yellow. Petal spot deep. Pollen cream. Bolls small, round/pointed. Nectaries one. Cultivated. Seed.
501371. P-83. Netherlands Antilles. IRCT. IRCT 1139. Roadside, just W of desalting water plant, Willemstad, Curacao. Plant glabrous. Lint white. Seeds semi-naked. Flowers yellow. Petal spot medium. Pollen cream. Nectaries one. Wild. Seed.
501372. P-84. Netherlands Antilles. IRCT. IRCT 1140. Roadside, Weg Naar at Bullenbaai, Curacao. Plant pubescence sparse. Lint white. Seed naked. Flowers yellow. Petal spot deep. Pollen cream. Nectaries one. Wild. Seed.
501373. P-85. Netherlands Antilles. IRCT. IRCT 1141. Dooryard, intersection just W of Jan Kock, Curacao. Plant 5m tall. Lint white. Fuzz dark brown. Flowers yellow. Petal spot medium. Pollen cream/yellow. Bolls medium-sized round. Locules 4 to 5. Nectaries one. Cultivated. Seed.
501374. P-86. Netherlands Antilles. IRCT. IRCT 1142. Dooryard, West Pund (West Point Bay), Curacao. Plant 4m tall, glabrous. Lint white. Fuzz green/brown. Flowers yellow. Petal spot deep. Bolls small, round. Nectaries one. Cultivated. Seed.
501375. P-87. Netherlands Antilles. IRCT. IRCT 1143. Dooryard, corner of Doormanweg and Dr. Lensweg streets, Willemstad,

501301 TO 501480-continued

- Curacao. Plant 1.5m tall, pubescence sparse. Lint white. Fuzz green/brown. Nectaries one. Cultivated. Seed.
501376. P-88. Netherlands Antilles. IRCT. IRCT 1144. Dooryard, Brakkeput Arriba, Curacao. Plant 2m tall, pubescence m. pilose. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium. Pollen cream/yellow. Bolls medium-sized, oval. Locules 3 to 4. Nectaries one. Cultivated. Seed.
501377. P-89. Netherlands Antilles. IRCT. IRCT 1145. Dooryard, Weg Narr Fuik, Curacao. Plant 2m tall, pubescence m. pilose. Lint white. Fuzz brown. Flowers yellow. Petal spot medium. Bolls medium-sized, oval. Nectaries one. Cultivated. Seed.
501378. P-90. Netherlands Antilles. IRCT. IRCT 1146. Fuik Baai, NW peninsula, Curacao. Plant 1.0m tall, pilose. Leaves lobed. Lint khaki. Fuzz dark brown. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, oval. Nectaries one. Wild. Seed.
501379. P-91. Netherlands Antilles. IRCT. IRCT 1147. Fuik Baai, NW peninsula, Curacao. Plant 1.0m tall, pilose. Leaves lobed. Lint khaki. Fuzz dark brown. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, oval. Nectaries one. Wild. Seed.
501380. P-92. Netherlands Antilles. IRCT. IRCT 1148. Fuik Baai, NW peninsula, Curacao. Plant 1.0m tall, pilose. Leaves lobed. Lint khaki. Fuzz dark brown. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, oval. Nectaries one. Wild. Seed.
501381. P-93. Netherlands Antilles. IRCT. IRCT 1149. Just W of Sta. Barbara, Fuik Baai, Curacao. Plant 1.0m tall, pilose. Leaves lobed. Lint khaki. Fuzz dark brown. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, oval. Nectaries one. Wild. Seed.
501382. P-94. Netherlands Antilles. IRCT. IRCT 1150. Just W of Sta. Barbara, Fuik Baai, Curacao. Plant 3m tall, pilose. Lint white. Fuzz green/brown. Flowers white. Pollen yellow. Nectaries one. Wild. Seed.
501383. P-95. Netherlands Antilles. IRCT. IRCT 1151. Just W of Sta. Barbara, Fuik Baai, Curacao. Plant 2m tall, pilose. Leaves lobed. Lint khaki. Fuzz dark brown. Bolls small, oval. Nectaries one. Wild. Seed.
501384. P-96. Netherlands Antilles. IRCT. IRCT 1152. Newport, Curacao. Plant 1.0m tall, pilose. Leaves lobed. Lint khaki. Fuzz dark brown. Flower color white/cream. Petal

501301 TO 501480-continued

- spot deep. Pollen yellow. Bolls small, oval. Nectarines one. Wild. Seed.
501385. P-97. Netherlands Antilles. IRCT. IRCT 1153. Dooryard, grounds of St. Elizabeth Hospital, Willemstad, Curacao. Plant 3.5m tall, pilose. Lint white. Seed naked. Flowers yellow. Petal spot faint. Pollen yellow. Nectarines one. Cultivated. Seed.
501386. P-98. Netherlands Antilles. IRCT. IRCT 1154. Dooryard, in front of Flamingo Hotel, Bonaire. Plant 2m tall, m. pilose. Lint white. Seed naked. Nectarines one. Cultivated. Seed.
501387. P-99. Netherlands Antilles. IRCT. IRCT 1155. Dooryard, Playa Pa Riba, Bonaire. Plant 3m tall, medium pilose. Lint white. Seed naked. Flowers yellow. Petal spot medium. Pollen yellow. Bolls medium-sized, oval. Nectarines one. Cultivated. Seed.
501388. P-100. Netherlands Antilles. IRCT. IRCT 1156. Dooryard, Pis Pis, Bonaire. Plant 3m tall, medium pubescence. Lint white. Fuzz green/brown. Nectarines one. Cultivated. Seed.
501389. P-101. Netherlands Antilles. IRCT. IRCT 1157. Jato, Bonaire. Plant pubescence medium. Lint khaki. Fuzz green/brown. Nectarines one. Wild. Seed.
501390. P-102. Netherlands Antilles. IRCT. IRCT 1158. South of Playa Frans, Bonaire. Plant 1.5m tall, pubescence medium. Lint khaki. Fuzz green/brown. Nectarines one. Wild. Seed.
501391. P-103. Netherlands Antilles. IRCT. IRCT 1159. South of Playa Frans, Bonaire. Plant 1.5m tall. Lint khaki. Fuzz green. Flowers white. Petal spot faint. Pollen yellow. Nectarines one. Wild. Seed.
501392. P-104. Netherlands Antilles. IRCT. IRCT 1160. Dooryard, Rincon, Bonaire. Plant 2.5m tall, glabrous. Lint white. Seed naked. Flowers yellow. Petal spot medium. Pollen yellow. Nectarines one. Cultivated. Seed.
501393. P-105. Netherlands Antilles. IRCT. IRCT 1161. Dooryard, next to prison, Oranjestad, Aruba. Plant 2m tall, pubescence sparse. Lint white. Seed naked. Flowers yellow. Petal spot deep. Pollen cream. Nectarines one. Cultivated. Seed.
501394. P-106. Netherlands Antilles. IRCT. IRCT 1162. Dooryard, Parkietenbos, Aruba. Plant 1.5m tall, pubescence sparse. Lint white. Seed naked. Flowers yellow. Petal spot deep. Pollen cream. Nectarines one. Cultivated. Seed.

501301 TO 501480-continued

501395. P-107. Netherlands Antilles. IRCT. IRCT 1163. Roadside, Mangel, Halto Beach, Aruba. Plant 2m tall, pubescence sparse. Lint white. Seed naked. Flowers yellow. Petal spot deep. Pollen cream. Nectaries one. Wild. Seed.
501396. P-108. Netherlands Antilles. IRCT. IRCT 1164. Roadside, Seroe Colorado, Aruba. Plant 1.5m tall, glabrous. Lint white. Seed naked. Flowers yellow. Petal spot light. Pollen cream. Nectaries one. Wild. Seed.
501397. P-109. Netherlands Antilles. IRCT. IRCT 1165. Dooryard, campus of Arubeno College, Oranjestad, Aruba. Plant 6m tall, pubescence medium. Lint white. Seed naked. Flowers yellow. Petal spot light. Pollen cream. Nectaries one. Cultivated. Seed.
501398. P-110. Netherlands Antilles. IRCT. IRCT 1166. Dooryard, Malmok, Aruba. Plant 2m tall, pubescence sparse. Lint white. Seed naked. Bolls medium-sized, oval. Nectaries one. Cultivated. Seed.
501399. P-111. Jamaica. IRCT. IRCT 1167. Roadside, Hwy A1, 10km W of Kingston, St. Catherins, Middlesex. Plant 3.5m tall, pilose. Lint white. Fuzz brown. Bolls medium-sized, oval. Nectaries one. Wild. Seed.
501400. P-112. Jamaica. IRCT. IRCT 1168. Roadside, Hwy A2, 2km W of Spanish town, Clarendon, Middlesex. Plant 2.5m tall, pubescence medium. Lint white. Fuzz green. Flowers yellow. Petal spot absent. Pollen cream. Bolls medium-sized, oval. Nectaries one. Wild. Seed.
501401. P-113. Jamaica. IRCT. IRCT 1169. Roadside, Hwy B12, 2km S of Free Town, Clarendon, Middlesex. Plant 1.5m tall, medium pubescence. Lint white. Fuzz dark brown. Flowers yellow. Petal spots medium. Pollen cream. Bolls small, round. Nectaries one. Wild. Seed.
501402. P-114. Jamaica. IRCT. IRCT 1170. Dooryard, Salt River, Clarendon, Middlesex. Plant 2m tall, pubescence medium. Lint white. Fuzz brown. Bolls small, round. Nectaries one. Cultivated. Seed.
501403. P-115. Jamaica. IRCT. IRCT 1171. Roadside, 0.5km S of Mahoe Gardens, Clarendon, Middlesex. Plant 2m tall, pubescence medium. Lint white. Fuzz brown. Bolls small. Nectaries one. Wild. Seed.
501404. P-116. Jamaica. IRCT. IRCT 1172. Dooryard, Portland College, Clarendon, Middlesex. Pubescence medium. Lint white. Seed semi-naked. Flowers yellow. Petal spot deep. Pollen cream. Bolls small, round. Nectaries one.

501301 TO 501480-continued
Cultivated. Seed.

501405. P-117. Jamaica. IRCT. IRCT 1173. Jackson Bay, .25km from Jackson Beach, Clarendon, Middlesex. Plant 2m tall, pubescence medium. Lint khaki. Fuzz brown. Bolls small, round. Nectaries one. Locules 4. Wild. Seed.
501406. P-118. Jamaica. IRCT. IRCT 1174. Roadside, N city limits of Alley, Clarendon, Middlesex. Plant 2m tall, glabrous. Leaves okra type. Lint white. Fuzz green. Flowers yellow. Petal spot light. Pollen cream. Bolls small. Wild. Seed.
501407. P-119. Jamaica. IRCT. IRCT 1175. Roadside, 1.0km E of Gut River, Manchester, Middlesex. Plant 3m tall, pubescence sparse. Leaves small okra type. Lint white. Fuzz brown. Bolls small. Nectaries one. Wild. Seed.
501408. P-120. Jamaica. IRCT. IRCT 1176. Roadside, 1.5km E of Gut River, Manchester, Middlesex. Plant 2m tall, pilose. Lint white. Seed naked. Flowers yellow. Petal spot deep. Bolls small. Nectaries one. Wild. Seed.
501409. P-121. Jamaica. IRCT. IRCT 1177. Roadside, junc. to Port Kaiser & Alligator Pond Hwy, Manchester, Middlesex. Plant 1.5m tall, pubescence sparse. Leaves okra type. Lint white. Fuzz brown. Flowers yellow. Petal spot light. Pollen yellow. Bolls medium-sized, oval. Nectaries one. Wild. Seed.
501410. P-122. Jamaica. IRCT. IRCT 1178. Roadside, 3km N of Alligator Pond, Manchester, Middlesex. Plant 1.5m tall, pubescence medium. Lint white. Fuzz brown/green. Bolls small, round. Nectaries one. Wild. Seed.
501411. P-123. Jamaica. IRCT. IRCT 1179. Dooryard, W side of Santa Cruz, St. Elizabeth, Cornwall. Plant 5m tall, glabrous. Lint white. Seed naked. Nectaries one. Cultivated. Seed.
501412. P-124. Jamaica. IRCT. IRCT 1180. Dooryard, S of Bluefields, Westmoreland, Cornwall. Plant 2m tall, pubescence sparse. Leaves semi-okra type. Lint white. Fuzz green/brown. Nectaries one. Cultivated. Seed.
501413. P-125. Jamaica. IRCT. IRCT 1181. Dooryard, W side of Savana La Mar, Westmoreland, Cornwall. Plant 1.5m tall, pubescence medium. Leaves semi-okra type. Lint white. Fuzz green/brown. Flowers yellow. Petal spot light. Pollen cream. Bolls small, oval. Nectaries one. Cultivated. Seed.
501414. P-126. Jamaica. IRCT. IRCT 1182. Dooryard, S side of Lucea Harbor, 3km from Lucea, Hanover, Cornwall. Plant 3m

501301 TO 501480-continued

- tall, some pubescence. Leaves deeply lobed. Lint white. Fuzz green/brown. Bolls small, round. Nectaries one. Cultivated. Seed.
501415. P-127. Jamaica. IRCT. IRCT 1183. Dooryard, Kew, W side of Lucea Harbor, Hanover, Cornwall. Plant 3m tall, some pubescence. Leaves small, lobed. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium. Pollen cream. Bolls small, oval. Nectaries one. Cultivated. Seed.
501416. P-128. Jamaica. IRCT. IRCT 1184. Dooryard, S of city limits sign, Montego Bay, St. James, Cornwall. Plant 3m tall, some pubescence. Leaves small, lobed. Lint white. Fuzz green/brown. Bolls small, oval. Nectaries one. Cultivated. Seed.
501417. P-129. Jamaica. IRCT. IRCT 1185. Roadside, Runaway Bay, St. Ann, Middlesex. Plant 1.5m tall, some pubescence. Leaves small, lobed. Lint white. Fuzz brown/green. Flowers yellow. Petal spot light. Pollen cream. Bolls medium-sized, oval. Nectaries one. Wild. Seed.
501418. P-130. Jamaica. IRCT. IRCT 1186. Dooryard, Sheraton Hotel Garden, Ocho Rios, St. Ann, Middlesex. Plant 2.5m tall, glabrous. Lint white. Fuzz green. Flowers yellow. Petal spot medium. Pollen yellow. Nectaries one. Cultivated. Seed.
501419. P-131. Jamaica. IRCT. IRCT 1187. Dooryard, E of Annotto Bay, St. Mary, Middlesex. Plant 3.5m tall, glabrous. Lint white. Seed naked. Bolls medium-sized. Nectaries one. Cultivated. Seed.
501420. P-132. Jamaica. IRCT. IRCT 1188. Roadside, S of Port Morant, St. Thomas, Surrey. Plant 2.5m tall, some pubescence. Leaves lobed. Lint white. Fuzz brown/green. Bolls small oval. Nectaries one. Wild. Seed.
501421. P-133. Jamaica. IRCT. IRCT 1189. Roadside, Morant, St. Thomas, Surrey. Plant 1.5m tall, some pubescence. Leaves lobed. Lint white. Fuzz brown/green. Bolls small, oval. Nectaries one. Wild. Seed.
501422. P-134. Jamaica. IRCT. IRCT 1190. Roadside, peninsula, S side of Salt Pond, 25km E of Kingston. Plant 1.5m tall, sparse pubescence. Leaves lobed. Lint white. Fuzz brown. Bolls small. Nectaries one. Locules 3-4. Wild. Seed.
501423. P-135. Jamaica. IRCT. IRCT 1191. Palisadoes Road, N of intersection to airport & Port Royal, St. Andrew. Plant 1.5m tall, glabrous. Leaves rugate. Lint white. Fuzz brown/green. Flowers yellow. Petal spot deep. Pollen yellow. Bolls small, oval. Nectaries one. Wild. Seed.

501301 TO 501480-continued

501424. P-136. Jamaica. IRCT. IRCT 1193. Palisadoes Road, N of intersection to airport & Port Royal, St. Andrew. Plant 1.0m tall, glabrous. Leaves rugate. Lint segre. Fuzz brown/green. Flowers yellow. Petal spot deep. Pollen yellow. Bolls small. Nectaries one. Wild. Seed.
501425. P-137. Jamaica. IRCT. IRCT 1194. East 100m of entrance to Port Royal, St. Andrew, Surrey. Plant 1.5m tall, some pubescence. Lint white. Fuzz brown/green. Flowers yellow. Petal spot light. Pollen yellow. Bolls small, round. Nectaries one. Wild. Seed.
501426. P-138. Jamaica. IRCT. IRCT 1195. Roadside, Causway North Highway, Kingston. Plant 1.5m tall, sparse pubescence. Leaves small, lobed. Lint white. Fuzz tan. Flowers yellow. Petal spot faint. Pollen yellow/cream. Bolls small, oval. Nectaries one. Wild. Seed.
501427. P-139. Jamaica. IRCT. IRCT 1196. Roadside, Causway North Highway, Kingston. Plant 2.0m tall, pubescence sparse. Leaves lobed. Lint white. Fuzz brown. Flowers yellow. Petal spot medium. Pollen cream/yellow. Bolls small, oval. Nectaries one. Wild. Seed.
501428. P-140. Cayman Islands. IRCT. IRCT 1197. Field, West Bay. Plant 3m tall, some pubescence. Leaves slight/lobed. Lint white. Fuzz green. Flowers yellow. Petal spot deep. Pollen cream. Bolls small, oval/pointed. Nectaries one. Cultivated. Seed.
501429. P-141. Cayman Islands. IRCT. IRCT 1198. Field, West Bay. Plant 2.5m tall, some pubescence. Some leaves lobed. Lint white. Fuzz green. Flowers yellow. Petal spot medium. Pollen cream/yellow. Bolls medium-sized, pointed. Nectaries one. Cultivated. Seed.
501430. P-142. Cayman Islands. IRCT. IRCT 1199. Field, Boatswains Bay. Plant 4m tall, sparse pubescence. Leaves lobed. Lint white. Fuzz tan. Flowers yellow. Petal spot deep. Pollen yellow. Bolls small, rounded. Nectaries one. Cultivated. Seed.
501431. P-143. Cayman Islands. IRCT. IRCT 1200. Roadside, Pedro Castle. Plant 1.5m tall, some pubescence. Leaves lobed. Lint white. Seed naked. Bolls small, oval. Nectaries one. Wild. Seed.
501432. P-144. Cayman Islands. IRCT. IRCT 1201. Roadside, Savannah. Plant 1.5m tall, some pubescence. Leaves lobed. Lint white. Seed naked. Bolls small, oval. Nectaries one. Wild. Seed.

501301 TO 501480-continued

501433. P-145. Cayman Islands. IRCT. IRCT 1202. Roadside, Breakers. Plant 1.5m tall, some pubescence. Leaves lobed. Lint white. Seed naked. Bolls small, oval. Nectaries one. Wild. Seed.
501434. P-146. Cayman Islands. IRCT. IRCT 1203. Roadside, east end of Grand Cayman. Plant 2m tall, sparse pubescence. Leaves lobed. Lint white. Seed naked. Flowers yellow. Petal spot absent. Pollen cream. Bolls small, oval. Nectaries one. Wild. Seed.
501435. P-147. Cayman Islands. IRCT. IRCT 1204. Roadside, Old Man Bay. Plant 2m tall, sparse pubescence. Leaves lobed. Lint white. Fuzz brown. Flowers cream. Petal spot medium. Pollen cream. Bolls small, round. Nectaries one. Wild. Seed.
501436. P-148. United States. IRCT. IRCT 1205. Tavernier, Tavernier Key, Florida. Plant 2m tall, glabrous. Leaves lobed. Lint brown. Fuzz green. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, round. Nectaries one. Locules 3-4. Wild. Seed.
501437. P-149. United States. IRCT. IRCT 1206. South side of bridge entering lower Matecumbe Key, Florida. Plant 3m tall, glabrous. Leaves lobed. Lint brown. Fuzz green. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, round. Nectaries one. Locules 3-4. Wild. Seed.
501438. P-150. United States. IRCT. IRCT 1207. Coastal Praire trail, Flamingo area, Everglades National Park, Florida. Plant 2m tall, glabrous. Leaves lobed. Lint brown. Fuzz brown. Flowers white/cream. Petal spot segre. Pollen cream/yellow. Bolls small, round. Nectaries one. Locules 3-4. Wild. Seed.
501439. P-151. United States. IRCT. IRCT 1208. Bayshore loop, Flamingo area, Everglades National Park, Florida. Plant 1.5m tall, glabrous. Leaves lobed. Lint khaki. Fuzz green/brown. Flowers white/cream. Petal spot segre. Pollen cream/yellow. Bolls small, round. Nectaries one. Locules 3-4. Wild. Seed.
501440. P-152. United States. IRCT. IRCT 1209. Marco, Marco Island, Florida. Plant 2.5m tall, glabrous. Leaves lobed. Lint khaki. Fuzz rusty/brown. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, round. Nectaries one. Locules 3-4. Wild. Seed.
501441. P-153. United States. IRCT. IRCT 1210. Marco, Marco Island, Florida. Plant 2.5m tall, glabrous. Leaves lobed.

501301 TO 501480-continued

- Lint khaki. Fuzz rusty/brown. Flowers white/cream. Petal spot deep. Pollen yellow. Bolls small, round. Nectaries one. Locules 3-4. Wild. Seed.
- 501442.** P-154. Dominican Republic. IRCT. IRCT 1211. Highway 2 West between km 42 and km 43, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Flowers yellow. Petal spot medium. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501443.** P-155. Dominican Republic. IRCT. IRCT 1212. Highway 2 West between km 43 and km 44, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501444.** P-156. Dominican Republic. IRCT. IRCT 1213. Highway 2 West between km 43 and km 44, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501445.** P-157. Dominican Republic. IRCT. IRCT 1214. Highway 2 West at km 44, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501446.** P-158. Dominican Republic. IRCT. IRCT 1215. Highway 2 West between km 44 and km 45, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501447.** P-159. Dominican Republic. IRCT. IRCT 1216. Old Highway 2 West between km 44 and km 45, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501448.** P-160. Dominican Republic. IRCT. IRCT 1217. Old Highway 2 West between km 44 and km 45, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501449.** P-161. Dominican Republic. IRCT. IRCT 1218. Old Highway 2 West between km 44 and km 45, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
- 501450.** P-162. Dominican Republic. IRCT. IRCT 1219. Old Highway 2 west at km 47, Azua. Plant 2m tall, glabrous. Lint

501301 TO 501480-continued

- brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
501451. P-163. Dominican Republic. IRCT. IRCT 1220. Old Highway 2 West at km 52, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
501452. P-164. Dominican Republic. IRCT. IRCT 1221. Old Highway 2 west between km 52 and km 53, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
501453. P-165. Dominican Republic. IRCT. IRCT 1222. Old Highway 2 west at km 53, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
501454. P-166. Dominican Republic. IRCT. IRCT 1223. Old Highway 2 west between km 55 and km 56, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
501455. P-167. Dominican Republic. IRCT. IRCT 1224. Junction of Old and New Highway 2 at km 53, Azua. Plant 2m tall, glabrous. Lint brown. Fuzz brown. Pollen yellow. Bolls very small, round with point. Nectaries one. Locules 3-4. Wild. Seed.
501456. P-168. Dominican Republic. IRCT. IRCT 1225. Junction of Old and New Highway 2 at km 53, Azua. Plant 1.5m tall, glabrous. Lint brown. Fuzz brown. Flowers light yellow. Petal spot light to none. Pollen light yellow. Bolls small, round with point. Nectarie s one. Locules 3-4. Wild. Seed.
501457. P-169. Dominican Republic. Dooryard, Highway 2, Yaguata, San Cristobal. Plant 4m tall, sparse pubescence. Leaves lobed. Lint white. Fuzz green. Flowers yellow. Petal spot medium. Pollen yellow. Bolls medium-sized, oval, square end. Nectaries one. Cultivated. Seed.
501458. P-170. Dominican Republic. Field, seashore in front of Feria Intl. del Caribe, Santo Domingo. Plant 2m tall, pilose. Leaves slightly lobed. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium. Pollen yellow. Bolls medium-sized, oval, pointed. Nectaries one. Locules 3-4. Cultivated. Seed.
501459. P-171. Puerto Rico. IRCT. IRCT 1226. Dooryard, Plya de Fajardo. Plant 4-5m tall, glabrous. Leaves lobed. Lint

501301 TO 501480-continued

- white. Seed naked. Bolls medium-sized, oval, pointed. Nectaries one. Locules 3-4. Cultivated. Seed.
501460. P-172. Puerto Rico. IRCT. IRCT 1227. Roadside, Fajardo. Plant 4-5m tall, glabrous. Leaves lobed. Lint white. Seed naked. Bolls medium-sized, oval, pointed. Nectaries one. Locules 3-4. Wild. Seed.
501461. P-173. Puerto Rico. IRCT. IRCT 1228. Dooryard, Ceiba. Plant 4-5m tall, glabrous. Leaves lobed. Lint white. Seed naked. Bolls medium-sized, very pointed. Nectaries one. Locules 3-4. Cultivated. Seed.
501462. P-174. Puerto Rico. IRCT. IRCT 1229. Roadside, Intersection of Hwys 3 and 30R, Humacao. Plant 4-5m tall, glabrous. Leaves lobed. Lint white. Seed naked. Bolls medium-sized, oval, pointed. Nectaries one. Locules 3-4. Wild. Seed.
501463. P-175. Puerto Rico. IRCT. IRCT 1230. Roadside, just west of Guayama. Plant 2.5m tall, glabrous. Leaves lobed. Lint white. Fuzz rusty/brown. Bolls medium-sized. Nectaries one. Locules 3-4. Wild. Seed.
501464. P-176. Puerto Rico. IRCT. IRCT 1231. Roadside, 1.0km N of intersection of Highways 1 and 506. Plant 2.5m tall, glabrous. Lint white. Seed naked. Flowers cream/yellow. Petal spot light. Pollen cream/yellow. Bolls medium-sized, oval, pointed. Nectaries one. Wild. Seed.
501465. P-177. Puerto Rico. IRCT. IRCT 1232. Roadside, 1.0km S of intersection of Highways 1 and 14. Plant 1.5m tall, glabrous. Lint white. Fuzz green/brown. Bolls medium-sized, round. Nectaries one. Wild. Seed.
501466. P-178. Puerto Rico. IRCT. IRCT 1233. Roadside, Highway 2 between turnoff of Highways 128 and 116. Plant 1.5m tall, glabrous. Lint white. Seed naked. Flowers cream. Petal spot-medium. Pollen yellow. Bolls small to medium-sized, oval. Nectaries one. Wild. Seed.
501467. P-179. Puerto Rico. IRCT. IRCT 1234. Roadside, Highway 333, Playa Cana Gorda. Plant 1.5m tall, sparse pubescence. Leaves super okra shaped. Lint white. Fuzz green/brown. Flowers cream. Petal spot medium. Pollen cream. Bolls small, round. Nectaries one. Locules 3. Wild. Seed.
501468. P-180. Puerto Rico. IRCT. IRCT 1235. Roadside, Highway 333, Bahia de la Ballena. Plant 2m tall, sparse pubescence. Leaves super okra shaped. Lint white. Fuzz green/brown. Flowers cream. Petal spot medium. Pollen cream. Bolls small, round. Nectaries one. Locules 3. Wild. Seed.

501301 TO 501480-continued

501469. P-181. Puerto Rico. IRCT. IRCT 1236. Roadside, Highway 333, Bahia de la Ballena. Plant 4m tall, glabrous. Leaves slightly lobed. Lint white. Fuzz green/brown. Bolls pointed. Nectaries one. Wild. Seed.
501470. P-182. Puerto Rico. IRCT. IRCT 1237. Roadside, off Highway 333 South, Bahia de la Ballena. Plant 1.5m tall, sparse pubescence. Leaves super okra shaped. Lint white. Fuzz green/brown. Flowers cream. Petal spot medium. Pollen cream. Bolls small, round. Nectaries one. Locules 3. Wild. Seed.
501471. P-183. Puerto Rico. IRCT. IRCT 1238. Highway 116, Salinas. Plant 1.5m tall, glabrous. Leaves lobed, crinkled. Lint khaki. Fuzz brown. Flowers white. Petal spot medium. Pollen yellow. Bolls small, round/oval/fl-sd. Nectaries one. Locules 3-4. Wild. Seed.
501472. P-184. Puerto Rico. IRCT. IRCT 1239. Highway 116, Salinas. Plant 1.5m tall, glabrous. Leaves lobed, crinkled. Lint khaki. Fuzz brown. Flowers white. Petal spot medium. Pollen yellow. Bolls small, round/oval/fl-sd. Nectaries one. Locules 3-4. Wild. Seed.
501473. P-185. Puerto Rico. IRCT. IRCT 1241. Highway 116, Salinas. Plant 2m tall, glabrous. Leaves lobed. Lint khaki. Fuzz brown. Flowers white. Petal spot medium. Pollen yellow. Bolls small, round, oval. Nectaries one. Locules 3-4. Wild. Seed.
501474. P-186. Puerto Rico. IRCT. IRCT 1242. Highway 116, Salinas. Plant 2m tall, glabrous. Leaves lobed. Lint khaki. Fuzz brown. Flowers white. Petal spot medium. Pollen yellow. Bolls small, round, oval. Nectaries one. Locules 3-4. Wild. Seed.
501475. P-187. Puerto Rico. IRCT. IRCT 1243. Dooryard, Highway 324, Parguera. Plant 2.5m tall, glabrous. Leaves slightly lobed. Lint white. Fuzz green/brown. Flowers yellow. Petal spot medium to deep. Pollen yellow. Bolls small to medium-sized, round. Nectaries one. Locules 3-4. Cultivated. Seed.
501476. P-188. Puerto Rico. IRCT. IRCT 1244. Playa Salinas, Cabo Rojo. Plant 1.5m tall, glabrous. Leaves lobed/crinkled. Lint khaki. Fuzz brown. Flowers white. Petal spot medium. Pollen yellow. Bolls small, round/oval/fl-sd. Nectaries one. Locules 3-4. Wild. Seed.
501477. P-189. Puerto Rico. IRCT. IRCT 1245. Playa Salinas, Cabo Rojo. Plant 1.5m tall, glabrous. Leaves lobed/crinkled. Lint khaki. Fuzz brown. Flowers white. Petal spot medium.

501301 TO 501480-continued

Pollen yellow. Bolls small, round/oval/fl-sd. Nectaries one. Locules 3-4. Wild. Seed.

501478. P-190. Puerto Rico. IRCT. IRCT 1246. Playa Salinas, Cabo Rojo. Plant 1.5m tall, glabrous. Leaves lobed/crinkled. Lint khaki. Fuzz brown. Flowers white. Petal spot medium. Pollen yellow. Bolls small, round/oval/fl-sd. Nectaries one. Locules 3-4. Wild. Seed.

501479. P-191. Puerto Rico. IRCT. IRCT 1247. Playa Salinas, Cabo Rojo. Plant 1.5m tall, glabrous. Leaves lobed/crinkled. Lint khaki. Fuzz brown. Flowers white. Petal spot medium. Pollen yellow. Bolls small, round/oval/fl-sd. Nectaries one. Locules 3-4. Wild. Seed.

501480. P-192. Puerto Rico. IRCT. IRCT 1248. Roadside, south of Areciba. Plant 5m tall, glabrous. Leaves slightly lobed. Lint white. Fuzz green. Flowers cream. Petal spot faint. Pollen cream. Bolls medium to large, tight, pointed. Nectaries one. Locules 3-4. Wild. Seed.

501481. *Gossypium aridum* (Rose & Standl.) Skovsted (Malvaceae).

From Mexico. Collected by Percival, A.E.; and Stewart, J.M.; USDA-ARS, Texas A&M University; and USDA-ARS, University of Tennessee; College Station, Texas; & Knoxville, Tennessee USA.

Received April 1985.

PS-38. Mexico. D4-11. Roadside, 3.2km N of La Mata sign, Hwy 185, N from La Ventosa, Oaxaca. Plant 2m tall. Wild. Seed.

501482. *Gossypium barbadense* L. (Malvaceae) Sea-island cotton.

From Mexico. Collected by Percival, A.E.; and Stewart, J.M.; USDA-ARS, Texas A&M University; and USDA-ARS, University of Tennessee; College Station, Texas; & Knoxville, Tennessee USA.

Received April 1985.

19. Mexico. Roadside between km 91 and 92 on Hwy 307 S, San Jose, Quintana Roo. Wild. Seed.

501483 TO 501519. *Gossypium hirsutum* L. (Malvaceae) Upland cotton.

From Mexico. Collected by Percival, A.E.; and Stewart, J.M.; USDA-ARS, Texas A&M University; and USDA-ARS, University of Tennessee; College Station, Texas; & Knoxville, Tennessee USA.

501483 TO 501519-continued

Received April 1985.

501483. PS-1. Mexico. Dooryard along Highway 186, Ejido Cardenas, Tabasco. Plant 3m tall. Lint white. Fuzz absent. Locules 4. Cultivated. Seed.
501484. PS-2. Mexico. Dooryard, Ejido Agua Fria, Catasha, Chiapas. Plant 4-5m tall. Lint white. Fuzz white. Flowers cream. Petal spot absent. Cultivated. Seed.
501485. PS-3. Mexico. Dooryard, Ejido K-67, next to school off Highway 261, Campeche. Plant 3m tall. Lint white. Fuzz white. Flowers cream. Petal spot absent. Locules 3. Cultivated. Seed.
501486. PS-4. Mexico. Dooryard, China, Campeche. Plant 3-4m tall. Fuzz sparse. Cultivated. Seed.
501487. PS-5. Mexico. Roadside, 0.25km E of Hwy 6 to airport on Highway 180, Campeche. Plant 3-4m tall. Fuzz white. Wild. Seed.
501488. PS-6. Mexico. Roadside, Highway 180, E of Tikimul, Campeche. Lint white. Fuzz white. Wild. Seed.
501489. PS-7. Mexico. Highway 180, W side of Ich-ek, Campeche. Lint white. Fuzz white. Flowers cream. Petal spot absent. Cultivated. Seed.
501490. PS-8. Mexico. Highway 180, W side of Ich-ek, Campeche. Plant 1.5m tall, pubescence sparse. Lint brown. Fuzz green. Flowers cream. Petal spot faint. Cultivated. Seed.
501491. PS-9. Mexico. Dooryard in front of concession stand, Uxmal Maya ruins, Yucatan. Plant 3m tall, pubescence variable. Lint white. Fuzz white. Cultivated. Seed.
501492. PS-10. Mexico. Dooryard, Highway 186, N side of Muna, Yucatan. Plant 3m tall. Lint white. Fuzz white. Cultivated. Seed.
501493. PS-11. Mexico. Dooryard, Highway 180, S end of Xtepen, Yucatan. Plant 2m tall, pubescent. Nectarines 3. Cultivated. Seed.
501494. PS-12. Mexico. Dooryard, by S city limit sign, Uman, Yucatan. Plant 4m tall. Nectarines 1. Cultivated. Seed.
501495. PS-13. Mexico. Roadside, Caezohé, INIA. Originally from Tekat, Yucatan. Lint white. Fuzz white. Wild. Seed.
501496. PS-14. Mexico. Dooryard, INIA Station, Mocacha. Originally from Tekat, Yucatan. Plant 1.5m tall. Lint

501483 TO 501519-continued

- white. Fuzz brown. Cultivated. Seed.
501497. PS-15. Mexico. Roadside, km 12 marker, 10km N of Dzemul, Yucatan. Lint brown. Fuzz brown. Wild. Seed.
501498. PS-16. Mexico. Roadside, 10.2km N of Dzemul, Yucatan. Lint brown. Fuzz brown. Wild. Seed.
501499. PS-17. Mexico. Roadside, intersection of Dzemul and Telchac-Chicxulub roads, Yucatan. Plant 1 m tall. Lint brown. Fuzz brown. Flowers cream/yellow. Petal spot medium. Locules 3. Wild. Seed.
501500. PS-18. Mexico. Beach, 2.1km E of PI 501499. Plant 1 m tall. Lint brown. Fuzz brown. Flowers cream/yellow. Petal spot medium. Locules 3. Wild. Seed.
501501. PS-19. Mexico. Roadside, Telchac, Yucatan. Plant 1 m tall. Lint brown. Fuzz brown. Flowers cream/yellow. Petal spot medium. Locules 3. Wild. Seed.
501502. PS-20. Mexico. Roadside, just E of Chabihu along coast road, Yucatan. Plant 1 m tall. Lint brown. Fuzz dark brown. Locules 3. Wild. Seed.
501503. PS-21. Mexico. Dooryard, Cuyo, Yucatan. Plant 3m tall. Lint brown. Fuzz brown. Locules 3. Cultivated. Seed.
501504. PS-22. Mexico. Dooryard, W side of El Tinal on Highway 180, Quintana Roo. Lint white. Fuzz light brown. Flowers cream. Petal spot absent. Cultivated. Seed.
501505. PS-23. Mexico. Roadside between airstrip and highway south, Isla Mujeres, Quintana Roo. Plant 3m tall, pubescent. Lint white. Fuzz sparse, white. Flowers cream. Petal spot absent. Wild. Seed.
501506. PS-24. Mexico. Roadside Cul Cul Can Ave, Acceso Chac (hwy south), Cancun, Quintana Roo. Plant 2-3m tall. Lint white. Fuzz sparse, white. Wild. Seed.
501507. PS-25. Mexico. Roadside immediately W of Puente Nichupte bridge, Cancun, Quintana Roo. Plant 4m tall. Lint white. Fuzz white. Flowers cream. Petal spot absent. Locules 3-4. Wild. Seed.
501508. PS-26. Mexico. Roadside 2.2km S of airport jct, Tulum Hwy, S of Cancun, Quintana Roo. Plant 3m tall. Lint brown. Fuzz brown. Locules 3. Wild. Seed.
501509. PS-27. Mexico. Dooryard, Xcaret turn off of Highway 307, Quintana Roo. Lint white. Fuzz white. Wild. Seed.

501483 TO 501519-continued

501510. PS-28a. Mexico. Roadside between km 91 and 92 on Highway 307 S, San Jose, Quintana Roo. Plant 1.5m tall. Lint white. Fuzz white. Wild. Seed.
501511. PS-29. Mexico. South 0.5km of Akumal turn off from Hwy 307, Quintana Roo. Plant 2m tall. Lint white. Fuzz brownish. Wild. Seed.
501512. PS-30. Mexico. Dooryard, Highway 307, Tulum, Quintana Roo. Plant 4m tall. Lint white. Fuzz white. Flowers yellowish. Petal spot absent. Cultivated. Seed.
501513. PS-31. Mexico. Dooryard, north side of Limones, Quintana Roo. Plant 3m tall. Lint white. Fuzz sparse, white. Cultivated. Seed.
501514. PS-32. Mexico. Dooryard, south side of Limones, Quintana Roos. Plant 3m tall. Lint white. Fuzz naked. Flowers cream. Petal spot absent. Cultivated. Seed.
501515. PS-33. Mexico. Roadside, Highway 186, 0.6km E of Gonzales Ortega, Quintana Roo. Lint white. Fuzz sparse, white. Flowers cream/yellow. Petal spot absent. Wild. Seed.
501516. PS-34. Mexico. Roadside, Hwy 186 turn-off to San Anto. Soda, Ejido Nicolas Morales, Q.R. Plant 4m tall. Lint white. Fuzz absent. Flowers cream. Petal spot absent. Wild. Seed.
501517. PS-35. Mexico. Dooryard, Highway 186 at Becan, Campeche. Plants 3-4 tall. Lint white. Fuzz white. Cultivated. Seed.
501518. PS-37. Mexico. Roadside, 1 km from E-W Blvd turn-off, Puerto Arista, Chiapas. Plant 5m tall along roadway parallel to beach. Lint white. Fuzz brown. Locules 2-4. Wild. Seed.
501519. PS-39. Mexico. Dooryard, Donaji, Oaxaca. Originally from Ixtaltepec. Plants 3m tall. Leaves semi-okra shaped. Bolls large. Lint white. Fuzz white. Cultivated. Seed.

501520. *Gossypium* sp. (Malvaceae) Cotton.

From Mexico. Collected by Percival, A.E.; and Stewart, J.M.; USDA-ARS, Texas A&M University; and USDA-ARS, University of Tennessee; College Station, Texas; & Knoxville, Tennessee USA.

Received April 1985.

PS-36. Mexico. Ejido Eujenio Echeveria Castellot, km

501520-continued

131, E of Escarcega, Campeche. Roadside plant 2m tall.
Lint white. Fuzz white. Flowers cream. Petal spot absent.
Pollen cream. Wild. Seed.

501521 TO 501523. Avena sativa L. (Poaceae) Common oat.

From United States. Donated by Simons, M.D.; Department of Plant Pathology, Iowa State University; Ames, Iowa.
Received November 1985.

501521. H590-293. United States. F4 Sel from Clinton/PI 309432 (A. sterilis). Similar to Clinton in plant type, height, maturity and seed type. Less susceptible than Clinton to severe crown rust infection. Spring Annual. Breeding Material. Seed.

501522. H632-518. United States. BC2 F4 Sel. from Clinton 2/PI 298129 (A. sterilis). Similar to Clinton in plant type, height, maturity and seed type. Less susceptible than Clinton to severe crown rust infection. Spring Annual. Breeding Material. Seed.

501523. H639-662. United States. BC2 F4 Sel. from Clinton 2/PI 309561 (A. sterilis). Similar to Clinton in plant type, height, maturity and seed type. Less susceptible than Clinton to severe crown rust infection. Spring Annual. Breeding Material. Seed.

501524 TO 501525. Avena sativa L. (Poaceae) Common oat.

From United States. Donated by Reeves, D.L.; Department of Plant Science, South Dakota State University; Brookings, South Dakota.
Received January 1986.

501524. SD790188. Sandy. United States. Dal/Nodaway 70//Moore. Plants tall. Maturity late. Partially awned. Seeds cream colored. Test weight good. Milling yields very good. Groat protein and oil percent medium. Resistant to crown rust. Resistant to moderately resistant to smut. Spring Annual. Cultivar. Seed.

501525. SD810095. Hytest. United States. Moore//Dal/Nodaway 70. Plants tall. Maturity midseason. Panicles with few awns. Test weight very high. Milling yields very good. Groat protein percent high, oil percent medium. Resistant to moderately resistant to smut. Resistant to stem rust with genes Pg 2 and 4. Moderately susceptible to crown rust. Spring Annual. Cultivar. Seed.

501526. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. Donated by Starling, T.M.; Department of Agronomy, Virginia Polytechnic Institute and State University; Blacksburg, Virginia.
Received September 1985.

VA 83-42-63. Wysor. United States. See narrative.
PEDIGREE: CI 9623, CI 9658, CI 9708, and BYDV Resistant Atlas/Hanover or Rapidan /4/ Harrison /3/ Cebada Capa/Wong// Awnletted Hudson. Plants medium tall, moderately resistant to lodging. Maturity mid-season. Spikes upright, awnletted. Bushel weight good. Resistant to scald, powdery mildew and leaf rust. Moderately resistant to barley yellow dwarf virus, net blotch and septoria leaf blotch. Winter Annual. Cultivar. Seed.

501527. *Fraxinus pennsylvanica* Marsh. (Oleaceae).

From United States. Donated by Bismarck Plant Materials Center, USDA-SCS; Bismarck, North Dakota. Received through National Plant Materials Center, SCS, Beltsville, MD.
Received January 1986.

T 5888. United States. Latitude: 45 deg N; Longitude: 100 deg E. Collected September 30, 1960. Gettysburg, South Dakota. Collected by J. McDermand. Growth rate rapid. Crown dense. Potential conservation use as windbreak in field and farm. Shade tree. Adapted to USDA zones 3-4, in precipitation of 38-55cm. Cultivated. Seed.

501528. *Acacia auriculiformis* A. Cunn. ex Benth. (Fabaceae).

From Thailand. Donated by Chittachumnonk, P.; Silvicultural Research, Division of Silviculture, Royal Forest Department; Bangkok Bangkok 10900.
Received January 1986.

S 0149. Thailand. Collected December 16, 1985. Sai Thong Plantation. Collected by K. Pinyopusarerk. Cultivated. Seed.

501529. *Capsicum cardenasii* Heiser & P.G. Sm. (Solanaceae).

From United Kingdom. Donated by Pickersgill, B.; Department of Agricultural Botany, University of Reading; Whiteknights, Reading RG6 2AS.
Received October 1985.

Bolivia. Market in La Paz. Collected by P.G. Smith, SA 268. Said to be from Rio Abajo. Cultivated. Seed.

501530. *Capsicum ciliatum* (Kunth) Kuntze (Solanaceae).

From United Kingdom. Donated by Pickersgill, B.; Department of Agricultural Botany, University of Reading; Whiteknights, Reading RG6 2AS.
Received October 1985.

Ecuador. San Antonio. Collected by C.B. Heiser, number 7518. Cultivated. Seed.

501531. *Capsicum galapagoense* Hunz. (Solanaceae).

From United Kingdom. Donated by Pickersgill, B.; Department of Agricultural Botany, University of Reading; Whiteknights, Reading RG6 2AS.
Received October 1985.

Ecuador. Indefatigable Island, Galapagos Archipelago. Collected by A. Kastle, AC 1501. Wild. Seed.

501532. *Capsicum anomalum* Franchet & P.A.L. Savat. (Solanaceae).

From Japan. Donated by Kamimura, S.; Kunisada Plant Breeding Station; Gunma-ken 379-22.
Received November 1985.

Japan. Hayama, Kanagawa-ken. Plants 1.0m tall, growing in shade. Branches numerous. Leaves long, elliptical, glabrous. Flowers in umbels, 2-5 per umbel. Corolla short, bell-shaped, yellow. Fruit round, 1.0cm, red at maturity. Received as *Tubocapsicum anomalum*. Perennial Herb. Wild. Seed.

501533 TO 501534. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Quick, J.S.; Department of Agronomy, Colorado State University; Fort Collins, Colorado.
Received February 1986.

501533. ID174. Blanca. United States. ID45/5/2*A6514S-A-102-1/4/2A6535S-443-101/3/SFL//PI227196/A63166S-A-2-8. Developed by USDA-ARS and Idaho Agricultural Experiment Station and evaluated by Colorado Agricultural Experiment Station. Plants medium tall, soft white type. Head erect, awned. Chaff white. Appearance and performance similar to Owens but with less lodging and higher yield. Spring Annual. Cultivar. Seed.

501534. C0810010. Carson. United States. Anza/Scout//Centurk. Plants medium tall, hard red type. Heads erect, bearded.

501533 TO 501534-continued

Chaff white. Appearance and performance similar to Sandy, but with stronger straw, less lodging, earlier maturity, stronger seedling emergence, and 5% grain yield advantage. Winter Annual. Cultivar. Seed.

501535 TO 501543. Avena sativa L. (Poaceae) Common oat.

From United States. Donated by Frey, K.J.; Department of Agronomy, Iowa State University; Ames, Iowa. Received January 1986.

- 501535. D486. United States. Lang3/CI 9170. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501536. D494. United States. Lang3/CI 9172. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501537. D504. United States. Lang3/CI 9176. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501538. D515. United States. Lang3/CI 9181. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501539. D520. United States. Lang3/CI 9285. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501540. D526. United States. Lang3/CI 9286. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501541. D535. United States. Lang3/CI 9290. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501542. D634. United States. Lang4//Clinton/PI 311624. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.
- 501543. D640. United States. Lang4//X122-12/CI 8295. Isoline. Carries unique gene for crown rust resistance. Breeding Material. Seed.

501544 TO 501971. Sorghum bicolor (L.) Moench (Poaceae) Sorghum.

From Yemen Arab Republic. Donated by Voigt, R.L.; and El Lakany, M.A.; Univ. of Arizona; USAID Sorghum/Millet Program &

501544 TO 501971-continued

Field Crop Div., UN Development Program, FAO; Tucson,
Arizona and Taiz.

Received January 1986.

501544. 76. Yemen Arab Republic. Hagda. 1000m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501545. 443. Yemen Arab Republic. Al Houban. 1550m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501546. 505. Yemen Arab Republic. Al Higani. 1000m. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501547. 521. Yemen Arab Republic. Samsara. 1400m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501548. 551. Yemen Arab Republic. Habib. 1900m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and orange. Cultivated. Seed.
501549. 576. Yemen Arab Republic. Askaf Azaz. 2000m. Race caudatum bicolor. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501550. 579. Yemen Arab Republic. Road Sana-Hodeida. 2500m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
501551. 626. Yemen Arab Republic. Road Sana-Hodeida. 2200m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
501552. 646. Yemen Arab Republic. Al Ganad. 1600m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501553. 684. Yemen Arab Republic. Al Kaeda. 1800m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501554. 791. Yemen Arab Republic. Kubba Arwa. 2100m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501555. 793. Yemen Arab Republic. Kubba Arwa. 2100m. Race durra.

501544 TO 501971-continued

- Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
- 501556.** 796. Yemen Arab Republic. Kubba Al Nagdal. 2100m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
- 501557.** 859. Yemen Arab Republic. Hasheed. 2500m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
- 501558.** 892. Yemen Arab Republic. Al Maamar. 2200m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
- 501559.** 996. Yemen Arab Republic. Jahran. 2450m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
- 501560.** 1034. Yemen Arab Republic. Maber. 2450m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
- 501561.** 1069. Yemen Arab Republic. Yarim. 2600m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
- 501562.** 1101. Yemen Arab Republic. Ashahul. 1500m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
- 501563.** 1104. Yemen Arab Republic. Shab Affa. 1500m. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
- 501564.** 1277. Yemen Arab Republic. Al Joubal. 2400m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark brown. Cultivated. Seed.
- 501565.** 1295. Yemen Arab Republic. Sumara Yarim. 2800m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
- 501566.** 1311. Yemen Arab Republic. Mouza. 250m. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

501544 TO 501971-continued

501567. 1314. Yemen Arab Republic. Mouza. 250m. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
501568. 1316. Yemen Arab Republic. Mouza. 250m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501569. 1318. Yemen Arab Republic. Mouza. 250m. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
501570. 1334. Yemen Arab Republic. Al Baida. 1300m. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501571. 1335. Yemen Arab Republic. Al Baida. 1300m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
501572. 1374. Yemen Arab Republic. Jahran. 2000m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501573. 1385. Yemen Arab Republic. Shabaddef. 2200m. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
501574. 1391. Yemen Arab Republic. Yarim. 2600m. Race kafir caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
501575. 1455. Yemen Arab Republic. Dalil-Hubaysh Road. 1600m. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501576. 1473. Yemen Arab Republic. Ibb. 2000m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
501577. 1534. Yemen Arab Republic. Nadirah. 2300m. Race durra. Head type 6 - semi-compact, elliptical. Seeds tan. Cultivated. Seed.
501578. 1596. Yemen Arab Republic. Sana-Hodeida Road. 2500m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501579. 1630. Yemen Arab Republic. Bagel. 180m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds

501544 TO 501971-continued

- orange. Cultivated. Seed.
501580. 1664. Yemen Arab Republic. Al Burti. 175m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501581. 1671. Yemen Arab Republic. Dahana. 175m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501582. 1681. Yemen Arab Republic. Al Hutta. 200m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501583. 1688. Yemen Arab Republic. Elam Abil. 200m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501584. 1708. Yemen Arab Republic. Al Assaraf. 200m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
501585. 1833. Yemen Arab Republic. Al Asama. 210m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501586. 1837. Yemen Arab Republic. Surdut. 210m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501587. 1868. Yemen Arab Republic. Khaisa. 270m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501588. 1875. Yemen Arab Republic. Heijal Al Garabah. 215m. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501589. 1889. Yemen Arab Republic. Al Sigar. 200m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501590. 1989. Yemen Arab Republic. Al Galah. 210m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501591. 1991. Yemen Arab Republic. Al Galah. 210m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501592. 2045. Yemen Arab Republic. Beni Mohmed. 175m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.

501544 TO 501971-continued

501593. 2051. Yemen Arab Republic. Banilah. 175m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501594. 2093. Yemen Arab Republic. Al Kadan. 220m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501595. 2101. Yemen Arab Republic. Al Madman. 220m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501596. 2105. Yemen Arab Republic. Al Kadan. 220m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501597. 2142. Yemen Arab Republic. Al Sarrah. 200m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501598. 2148. Yemen Arab Republic. Al Sarrah. 200m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501599. 2152. Yemen Arab Republic. Al Sarrah. 200m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501600. 2167. Yemen Arab Republic. Al Madman. 200m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501601. 2178. Yemen Arab Republic. Al Sarrah. 185m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501602. 2211. Yemen Arab Republic. Al Sarrah. 185m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501603. 2239. Yemen Arab Republic. Al Sarrah. 170m. Race durra. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501604. 2245. Yemen Arab Republic. Al Sarrah. 170m. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501605. 2250. Yemen Arab Republic. Al Sarrah. 170m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red and white. Cultivated. Seed.

501544 TO 501971-continued

501606. 2263. Yemen Arab Republic. Al Sarrah. 170m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
501607. 2267. Yemen Arab Republic. Al Sarrah. 170m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
501608. 2308. Yemen Arab Republic. Mahal Al Dabek. 170m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501609. 2328. Yemen Arab Republic. Kahre. 200m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501610. 2337. Yemen Arab Republic. Al Taher. 200m. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501611. 2341. Yemen Arab Republic. Al Taher. 200m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501612. 2345. Yemen Arab Republic. Kwober. 220m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
501613. 2346. Yemen Arab Republic. Kwober. 220m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501614. 2347. Yemen Arab Republic. Kwober. 220m. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501615. 2361. Yemen Arab Republic. Kwober. 220m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
501616. 2377. Yemen Arab Republic. Al Kodirah. 220m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501617. 2379. Yemen Arab Republic. Al Kodirah. 220m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501618. 2380. Yemen Arab Republic. Al Kodirah. 220m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.

501544 TO 501971-continued

501619. 2388. Yemen Arab Republic. Kwober. 220m. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.
501620. 2398. Yemen Arab Republic. Sordud. 235m. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501621. 2435. Yemen Arab Republic. Al Kohre. 180m. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501622. 2456. Yemen Arab Republic. Kohre. 190m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
501623. 2482. Yemen Arab Republic. Kohre. 200m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501624. 2483. Yemen Arab Republic. Kohre. 200m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501625. 2486. Yemen Arab Republic. Kohre. 200m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501626. 2487. Yemen Arab Republic. Kohre. 200m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501627. 2496. Yemen Arab Republic. Mohmad Esmael. 190m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501628. 2502. Yemen Arab Republic. Mohmad Esmael. 180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501629. 2506. Yemen Arab Republic. Kohre. 190m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501630. 2510. Yemen Arab Republic. Kohre. 190m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501631. 2517. Yemen Arab Republic. Kohre. 190m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.

501544 TO 501971-continued

501632. 2518. Yemen Arab Republic. Kohre. 190m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
501633. 2520. Yemen Arab Republic. Kohre. 190m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501634. 2525. Yemen Arab Republic. Kohre. 200m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501635. 2526. Yemen Arab Republic. Kohre. 200m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
501636. 2541. Yemen Arab Republic. Al Himeh. 1640m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
501637. 2545. Yemen Arab Republic. Al Himeh. 1640m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds dark orange. Cultivated. Seed.
501638. 2548. Yemen Arab Republic. Al Himeh. 1620m. Race kafir guinea. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
501639. 2553. Yemen Arab Republic. Al Himeh. 1620m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
501640. 2562. Yemen Arab Republic. Bene Manssor. 1520m. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501641. 2564. Yemen Arab Republic. Bene Manssor. 1520m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501642. 2585. Yemen Arab Republic. Al Himeh. 1420m. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501643. 2608. Yemen Arab Republic. Mwsanh. 1370m. Race kafir guinea. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
501644. 2609. Yemen Arab Republic. Mwsanh. 1370m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

501544 TO 501971-continued

501645. 2615. Yemen Arab Republic. Mwsanh. 1370m. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
501646. 2622. Yemen Arab Republic. Karit Masar. 1170m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501647. 2624. Yemen Arab Republic. Karit Masar. 1170m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow white. Cultivated. Seed.
501648. 2639. Yemen Arab Republic. Bab Shanatef. 570m. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501649. 2653. Yemen Arab Republic. Sar Almahwit. 580m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501650. 2656. Yemen Arab Republic. Mahal Alotome. 580m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
501651. 2657. Yemen Arab Republic. Mahal Alotome. 580m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501652. 2658. Yemen Arab Republic. Mahal Alotome. 580m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501653. 2697. Yemen Arab Republic. Al Mahwit. 650m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
501654. 2700. Yemen Arab Republic. Al Tig Mahwit. 730m. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and orange. Cultivated. Seed.
501655. 2705. Yemen Arab Republic. Al Tig Mahwit. 730m. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501656. 2756. Yemen Arab Republic. Almahwit Al Wostah. 800m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501657. 2767. Yemen Arab Republic. Almahwit Bakral Gumah. 820m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and

501544 TO 501971-continued

brown. Cultivated. Seed.

501658. 2774. Yemen Arab Republic. Almahwit Al Mahaiekah. 840m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501659. 2778. Yemen Arab Republic. Almahwit Al Mahaiekah. 870m. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange and yellow. Cultivated. Seed.
501660. 2781. Yemen Arab Republic. Almahwit Al Mahaiekah. 840m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
501661. 2782. Yemen Arab Republic. Almahwit Al Mahaiekah. 840m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red, tan and white. Cultivated. Seed.
501662. 2790. Yemen Arab Republic. Almahwit Al Mahaiekah. 840m. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501663. 2795. Yemen Arab Republic. Almahwit Al Mahaiekah. 840m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
501664. 2796. Yemen Arab Republic. Almahwit Al Mahaiekah. 840m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
501665. 2803. Yemen Arab Republic. Almahwit Al Mahaiekah. 865m. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
501666. 2808. Yemen Arab Republic. Almahwit Al Mahaiekah. 860m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501667. 2810. Yemen Arab Republic. Almahwit Al Mahaiekah. 860m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501668. 2815. Yemen Arab Republic. Almahwit Sirah. 1010m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501669. 2837. Yemen Arab Republic. Almahwit Sirah. 1010m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

501544 TO 501971-continued

501670. 2848. Yemen Arab Republic. Almahwit Sirah. 1045m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501671. 2850. Yemen Arab Republic. Almahwit Sirah. 1045m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501672. 2852. Yemen Arab Republic. Almahwit Sirah. 1045m. Race durra. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501673. 2854. Yemen Arab Republic. Almahwit Sirah. 1045m. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light orange. Cultivated. Seed.
501674. 2869. Yemen Arab Republic. Almahwit Sirah. 1045m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501675. 2880. Yemen Arab Republic. Almahwit Bait Shahedy. 990m. Race durra. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501676. 2912. Yemen Arab Republic. Almahwit Al kata'a. 880m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501677. 2941. Yemen Arab Republic. Al Kata'a. 915m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501678. 2970. Yemen Arab Republic. Al Arkoob. 1345m. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501679. 2983. Yemen Arab Republic. Almahwit Al Arkoob. 1345m. Race durra bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501680. 2988. Yemen Arab Republic. Almahwit Al Arkoob. 1345m. Race durra. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
501681. 2993. Yemen Arab Republic. Almahwit Al Arkoob. 1345m. Race kafir bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501682. 2994. Yemen Arab Republic. Almahwit Al Arkoob. 1345m. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.

501544 TO 501971-continued

501683. 3010. Yemen Arab Republic. Al Karow. 1345m. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
501684. 3016. Yemen Arab Republic. Al Arkoob. 1345m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501685. 3057. Yemen Arab Republic. Al Shahedy. 1355m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501686. 3072. Yemen Arab Republic. Al Reidah. 1355m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501687. 3082. Yemen Arab Republic. Reidah. 1355m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501688. 3088. Yemen Arab Republic. Showter. 1355m. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
501689. 3090. Yemen Arab Republic. Reidah. 1355m. Race durra bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501690. 3092. Yemen Arab Republic. Reidah. 1355m. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501691. 3093. Yemen Arab Republic. Mahal Al Karun. 1580m. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501692. 3095. Yemen Arab Republic. Mahal Al Karun. 1580m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501693. 3097. Yemen Arab Republic. Al Shahedy. 1355m. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501694. 3098. Yemen Arab Republic. Al Shahedy. 1355m. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501695. 3102. Yemen Arab Republic. Al Shahedy. 1355m. Race caudatum durra. Head type 3 - open, elongated, elliptical.

501544 TO 501971-continued

Seeds green. Cultivated. Seed.

501696. 3106. Yemen Arab Republic. Al Karun. 1580m. Race durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
501697. 3107. Yemen Arab Republic. Al Karun. 1580m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501698. 3115. Yemen Arab Republic. Al Karun. 1580m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501699. 3121. Yemen Arab Republic. Al Karun. 1380m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501700. 3122. Yemen Arab Republic. Mahl Noman. 1660m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501701. 3124. Yemen Arab Republic. Mahl Noman. 1660m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501702. 3129. Yemen Arab Republic. Al Naina. 1660m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501703. 3132. Yemen Arab Republic. Mahal Noman. 1660m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light brown. Cultivated. Seed.
501704. 3137. Yemen Arab Republic. Mahal Noman. 1660m. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
501705. 3139. Yemen Arab Republic. Mahal Noman. 1660m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501706. 3145. Yemen Arab Republic. Bait Al Kuhaiti. 1670m. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501707. 3147. Yemen Arab Republic. Bait Al Kuhaiti. 1670m. Race durra. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
501708. 3153. Yemen Arab Republic. Akabat. 1670m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds

501544 TO 501971-continued

- orange. Cultivated. Seed.
501709. 3155. Yemen Arab Republic. Akabat. 1670m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501710. 3156. Yemen Arab Republic. Akabat. 1670m. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
501711. 3161. Yemen Arab Republic. Akabat. 1670m. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
501712. 3171. Yemen Arab Republic. Bait Sahidi. 1430m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501713. 3176. Yemen Arab Republic. Bait Sahidi. 1430m. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501714. 3183. Yemen Arab Republic. Bait Sahidi. 1430m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501715. 3186. Yemen Arab Republic. Bait Sahidi. 1430m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
501716. 3188. Yemen Arab Republic. Bait Sahidi. 1430m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501717. 3190. Yemen Arab Republic. Bait Sahidi. 1430m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
501718. 3192. Yemen Arab Republic. Bait Sahidi. 1670m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501719. 3194. Yemen Arab Republic. Bait Sahidi. 1430m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501720. 3196. Yemen Arab Republic. Aabar Al Hajar. 1380m. Race caudatum kafir. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
501721. 3197. Yemen Arab Republic. Aabar Al Hajar. 1360m. Race

501544 TO 501971-continued

- kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501722. 3199. Yemen Arab Republic. Aabar Al Hajar. 1380m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501723. 3201. Yemen Arab Republic. Aaber Al Hajar. 1360m. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501724. 3209. Yemen Arab Republic. Al Balad. 1355m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501725. 3210. Yemen Arab Republic. Al Balad. 1355m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
501726. 3219. Yemen Arab Republic. Al Balad. 1355m. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501727. 3224. Yemen Arab Republic. Hadaf. 1360m. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501728. 3225. Yemen Arab Republic. Hadaf. 1360m. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501729. 3235. Yemen Arab Republic. Hadaf. 1370m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501730. 3241. Yemen Arab Republic. Wadi Amran. 1355m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501731. 3248. Yemen Arab Republic. Al Balad. 1360m. Race kafir bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501732. 3249. Yemen Arab Republic. Aaber Al Hajar. 1355m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501733. 3256. Yemen Arab Republic. Al Balad. 1360m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
501734. 3267. Yemen Arab Republic. Al Balad. 1360m. Race durra

501544 TO 501971-continued

- caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501735. 3275. Yemen Arab Republic. Aaber Al Hajar. 1360m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
501736. 3279. Yemen Arab Republic. Mahal Al Fedah. 1380m. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501737. 3294. Yemen Arab Republic. Al Balad. 1355m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501738. 3296. Yemen Arab Republic. Al Balad. 1355m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
501739. 3297. Yemen Arab Republic. Al Balad. 1355m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501740. 3299. Yemen Arab Republic. Al Kadan. 1340m. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501741. 3301. Yemen Arab Republic. Wadi Amran. 1355m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501742. 3302. Yemen Arab Republic. Al Kadan. 1340m. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501743. 3304. Yemen Arab Republic. Wadi Amran. 1355m. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow and green. Cultivated. Seed.
501744. 3306. Yemen Arab Republic. Wadi Amran. 1355m. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501745. 3307. Yemen Arab Republic. Aaber Al Hajar. 1360m. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
501746. 3313. Yemen Arab Republic. Mahal Al Redah. 1380m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

501544 TO 501971-continued

501747. 3315. Yemen Arab Republic. Al Balad. 1355m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and yellow. Cultivated. Seed.
501748. 3317. Yemen Arab Republic. Al Kadan. 1345m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501749. 3319. Yemen Arab Republic. Wadi Amran. 1355m. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501750. 3320. Yemen Arab Republic. Al Kadan. 1345m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501751. 3322. Yemen Arab Republic. Aaber Al Hajar. 1630m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds light brown. Cultivated. Seed.
501752. 3324. Yemen Arab Republic. Mahal Al Pedah. 1380m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
501753. 3326. Yemen Arab Republic. Mahal Al Redah. 1380m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501754. 3327. Yemen Arab Republic. Mahal Al Redah. 1380m. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
501755. 3330. Yemen Arab Republic. Al Arkoob. 1360m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501756. 3335. Yemen Arab Republic. Mahal Al Redah. 1380m. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
501757. 3347. Yemen Arab Republic. Al Arkoob. 1360m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds green. Cultivated. Seed.
501758. 3350. Yemen Arab Republic. Al Arkoob. 1360m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501759. 3372. Yemen Arab Republic. Al Arkoob. 1390m. Race durra

501544 TO 501971-continued

- kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501760. 3375. Yemen Arab Republic. Gabal Tarek. 1320m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501761. 3377. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds dark red. Cultivated. Seed.
501762. 3378. Yemen Arab Republic. Gabal Tarek. 1320m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501763. 3379. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501764. 3380. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501765. 3381. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501766. 3382. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501767. 3383. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501768. 3384. Yemen Arab Republic. Gabal Tarek. 1320m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501769. 3385. Yemen Arab Republic. Gabal Tarek. 1320m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501770. 3386. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501771. 3387. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501772. 3389. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated,

501544 TO 501971-continued

- elliptical. Seeds white. Cultivated. Seed.
501773. 3390. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501774. 3391. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501775. 3392. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds green. Cultivated. Seed.
501776. 3393. Yemen Arab Republic. Gabal Tarek. 1320m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501777. 3394. Yemen Arab Republic. Gabal Tarek. 1320m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501778. 3397. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501779. 3399. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501780. 3400. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
501781. 3405. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501782. 3406. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
501783. 3408. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501784. 3411. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501785. 3412. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.

501544 TO 501971-continued

501786. 3413. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds green. Cultivated. Seed.
501787. 3414. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501788. 3415. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501789. 3422. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501790. 3423. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds green. Cultivated. Seed.
501791. 3424. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds green. Cultivated. Seed.
501792. 3426. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501793. 3428. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501794. 3429. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501795. 3431. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501796. 3432. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501797. 3434. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501798. 3435. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

501544 TO 501971-continued

501799. 3437. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501800. 3438. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501801. 3439. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
501802. 3440. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501803. 3442. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501804. 3443. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501805. 3444. Yemen Arab Republic. Bayt Abdo Ali. 1240m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds green. Cultivated. Seed.
501806. 3445. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501807. 3446. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501808. 3448. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501809. 3449. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and light red. Cultivated. Seed.
501810. 3450. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501811. 3451. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and light brown. Cultivated. Seed.

501544 TO 501971-continued

501812. 3452. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red and light yellow. Cultivated. Seed.
501813. 3453. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
501814. 3454. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red and white. Cultivated. Seed.
501815. 3455. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red and white. Cultivated. Seed.
501816. 3457. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501817. 3458. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
501818. 3466. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501819. 3469. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501820. 3470. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501821. 3473. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.
501822. 3474. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501823. 3477. Yemen Arab Republic. Suk Alswak. 1450m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
501824. 3479. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical.

501544 TO 501971-continued

Seeds white. Cultivated. Seed.

501825. 3482. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501826. 3483. Yemen Arab Republic. Bayt Lahmy. 875m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
501827. 3491. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and light red. Cultivated. Seed.
501828. 3492. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501829. 3493. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and light red. Cultivated. Seed.
501830. 3495. Yemen Arab Republic. Bayt Lahmy. 875m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and light red. Cultivated. Seed.
501831. 3499. Yemen Arab Republic. Bayt Lahmy. 875m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501832. 3501. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and light red. Cultivated. Seed.
501833. 3503. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
501834. 3504. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra. Head type 5 - semi-compact, ovate. Seeds light red and white. Cultivated. Seed.
501835. 3505. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
501836. 3506. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501837. 3512. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

501544 TO 501971-continued

501838. 3513. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red and white. Cultivated. Seed.
501839. 3519. Yemen Arab Republic. Bayt Lahmy. 875m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501840. 3520. Yemen Arab Republic. Bayt Lahmy. 875m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and light red. Cultivated. Seed.
501841. 3527. Yemen Arab Republic. Bayt Lahmy. 870m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red and white. Cultivated. Seed.
501842. 3530. Yemen Arab Republic. Bayt Lahmy. 870m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501843. 3532. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501844. 3533. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red and white. Cultivated. Seed.
501845. 3534. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501846. 3537. Yemen Arab Republic. Bayt Abdo Ali. 1050m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501847. 3543. Yemen Arab Republic. Bayt Abdo Ali. 1180m. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
501848. 3546. Yemen Arab Republic. Damar. 1480m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
501849. 3552. Yemen Arab Republic. Damar. 1480m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501850. 3553. Yemen Arab Republic. Damar. 1480m. Race kafir durra. Head type 7 - very compact, ovate, flattened base,

501544 TO 501971-continued

with usually a recurved peduncle. Seeds light red.
Cultivated. Seed.

- 501851.** 3554. Yemen Arab Republic. Damar. 1480m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
- 501852.** 3555. Yemen Arab Republic. Damar. 1480m. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
- 501853.** 3556. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red and white. Cultivated. Seed.
- 501854.** 3557. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds white and tan. Cultivated. Seed.
- 501855.** 3558. Yemen Arab Republic. Al Falkah. 2500m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
- 501856.** 3559. Yemen Arab Republic. Al Falkah. 2520m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
- 501857.** 3560. Yemen Arab Republic. Damar. 1480m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
- 501858.** 3561. Yemen Arab Republic. Al Falkah. 2520m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
- 501859.** 3562. Yemen Arab Republic. Al Falkah. 2520m. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
- 501860.** 3564. Yemen Arab Republic. Damar Al Falkah. 2520m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
- 501861.** 3565. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
- 501862.** 3569. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 6 - semi-compact, elliptical.

501544 TO 501971-continued

Seeds yellow. Cultivated. Seed.

501863. 3571. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
501864. 3572. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
501865. 3573. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501866. 3579. Yemen Arab Republic. Damar Al Falkah. 2520m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
501867. 3581. Yemen Arab Republic. Damar Al Falkah. 2520m. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds light red. Cultivated. Seed.
501868. 3582. Yemen Arab Republic. Damar Al Alakdah. 2520m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
501869. 3583. Yemen Arab Republic. Damar Al Sowya. 2520m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501870. 3585. Yemen Arab Republic. Damar Al Sowya. 2540m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
501871. 3586. Yemen Arab Republic. Damar Al Sowya. 2540m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
501872. 3587. Yemen Arab Republic. Damar Al Kadah. 2540m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
501873. 3588. Yemen Arab Republic. Damar Al Kadah. 2540m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
501874. 3590. Yemen Arab Republic. Damar Al Sowya. 2540m. Race

501544 TO 501971-continued

- durra kafir. Head type 6 - semi-compact, elliptical.
Seeds light red. Cultivated. Seed.
501875. 3591. Yemen Arab Republic. Damar Al Sowyda. 2540m. Race
durra kafir. Head type 7 - very compact, ovate, flattened
base, with usually a recurved peduncle. Seeds red.
Cultivated. Seed.
501876. 3593. Yemen Arab Republic. Damar Al Kadah. 2540m. Race
durra kafir. Head type 7 - very compact, ovate, flattened
base, with usually a recurved peduncle. Seeds dark red.
Cultivated. Seed.
501877. 3594. Yemen Arab Republic. Damar Al Kadah. 2540m. Race
durra kafir. Head type 7 - very compact, ovate, flattened
base, with usually a recurved peduncle. Seeds dark red.
Cultivated. Seed.
501878. 3603. Yemen Arab Republic. Damar Al Kasah. 2540m. Race
durra caudatum. Head type 7 - very compact, ovate,
flattened base, with usually a recurved peduncle. Seeds
yellow. Cultivated. Seed.
501879. 3605. Yemen Arab Republic. Damar Al Kasah. 2540m. Race
durra kafir. Head type 7 - very compact, ovate, flattened
base, with usually a recurved peduncle. Seeds dark red.
Cultivated. Seed.
501880. 3606. Yemen Arab Republic. Damar Al Kasah. 2540m. Race
kafir durra. Head type 6 - semi-compact, elliptical.
Seeds yellow. Cultivated. Seed.
501881. 3607. Yemen Arab Republic. Damar Al Kasah. 2540m. Race
durra kafir. Head type 7 - very compact, ovate, flattened
base, with usually a recurved peduncle. Seeds red.
Cultivated. Seed.
501882. 3608. Yemen Arab Republic. Damar Al Kasah. 2540m. Race
durra kafir. Head type 6 - semi-compact, elliptical.
Seeds light red. Cultivated. Seed.
501883. 3612. Yemen Arab Republic. Damar Al Kasah. 2540m. Race
durra kafir. Head type 7 - very compact, ovate, flattened
base, with usually a recurved peduncle. Seeds dark red.
Cultivated. Seed.
501884. 3613. Yemen Arab Republic. Damar. 2540m. Race durra
kafir. Head type 7 - very compact, ovate, flattened base,
with usually a recurved peduncle. Seeds dark red.
Cultivated. Seed.
501885. 3618. Yemen Arab Republic. Damar. 2540m. Race durra
kafir. Head type 7 - very compact, ovate, flattened base,

501544 TO 501971-continued

- with usually a recurved peduncle. Seeds red. Cultivated. Seed.
501886. 3619. Yemen Arab Republic. Damar. 2540m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
501887. 3622. Yemen Arab Republic. Damar. 2450m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501888. 3623. Yemen Arab Republic. Damar. 2450m. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501889. 3627. Yemen Arab Republic. Bayt Al Mashry. 2400m. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501890. 3628. Yemen Arab Republic. Bayt Al Mashry. 2450m. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501891. 3631. Yemen Arab Republic. Al Kawlah. 2470m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501892. 3632. Yemen Arab Republic. Al Kawlah. 2470m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501893. 3634. Yemen Arab Republic. Al Kawlah. 2470m. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501894. 3635. Yemen Arab Republic. Al Kawlah. 2470m. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501895. 3636. Yemen Arab Republic. Al Kawlah. 2470m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501896. 3638. Yemen Arab Republic. Al Kawlah. 2470m. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501897. 3640. Yemen Arab Republic. Al Kawlah. 2470m. Race kafir

501544 TO 501971-continued

- durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501898. 3641. Yemen Arab Republic. Damar Al Kawlah. 2470m. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501899. 3647. Yemen Arab Republic. Damar Shryh. 2050m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501900. 3648. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501901. 3649. Yemen Arab Republic. Damar Bayt Al Mashry. 2050m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501902. 3650. Yemen Arab Republic. Damar Bayt Al Mashry. 2050m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501903. 3654. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds dark yellow. Cultivated. Seed.
501904. 3657. Yemen Arab Republic. Damar Al Mashry. 2400m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501905. 3659. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501906. 3660. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501907. 3661. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501908. 3663. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501909. 3664. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.

501544 TO 501971-continued

501910. 3665. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501911. 3667. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501912. 3668. Yemen Arab Republic. Damar Bayt Al Mashry. 2400m. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501913. 3673. Yemen Arab Republic. Damar Al Huma. 2230m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501914. 3674. Yemen Arab Republic. Damar Al Huma. 2230m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501915. 3675. Yemen Arab Republic. Damar Al Huma. 2230m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501916. 3676. Yemen Arab Republic. Damar Al Huma. 2230m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501917. 3677. Yemen Arab Republic. Damar Al Fukah. 2300m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501918. 3678. Yemen Arab Republic. Damar Al Fukah. 2300m. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501919. 3681. Yemen Arab Republic. Damar Al Fukah. 2300m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501920. 3682. Yemen Arab Republic. Damar Al Fukah. 2300m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501921. 3684. Yemen Arab Republic. Damar Al Fukah. 2300m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501922. 3688. Yemen Arab Republic. Damar Lahmy. 2230m. Race

501544 TO 501971-continued

- durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501923. 3691. Yemen Arab Republic. Damar Rada. 2170m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501924. 3693. Yemen Arab Republic. Damar Rada. 2170m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501925. 3694. Yemen Arab Republic. Damar Rada. 2170m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501926. 3696. Yemen Arab Republic. Damar Rada. 2170m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501927. 3697. Yemen Arab Republic. Damar. 2170m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501928. 3704. Yemen Arab Republic. Abar Damar. 2110m. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501929. 3705. Yemen Arab Republic. Abar Damar. 2110m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.
501930. 3706. Yemen Arab Republic. Damar Abais. 2110m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501931. 3707. Yemen Arab Republic. Damar Abais. 2110m. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501932. 3708. Yemen Arab Republic. Damar Abais. 2110m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501933. 3711. Yemen Arab Republic. Damar Abais. 2170m. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501934. 3712. Yemen Arab Republic. Damar Abais. 2110m. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

501544 TO 501971-continued

501935. 3714. Yemen Arab Republic. Damar Abais. 2110m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.
501936. 3716. Yemen Arab Republic. Damar Abais. 2190m. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501937. 3718. Yemen Arab Republic. Damar. 2190m. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
501938. 3719. Yemen Arab Republic. Damar Rada. 2190m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501939. 3720. Yemen Arab Republic. Damar Bani Zayad. 2190m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501940. 3721. Yemen Arab Republic. Damar Bani Zayad. 2190m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501941. 3726. Yemen Arab Republic. Damar Rada. 2190m. Race durra. Head type 5 - semi-compact, ovate. Seeds dark yellow. Cultivated. Seed.
501942. 3727. Yemen Arab Republic. Damar Rada. 2190m. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501943. 3737. Yemen Arab Republic. Damar Rada. 2170m. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501944. 3740. Yemen Arab Republic. Damar Rada. 2170m. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501945. 3745. Yemen Arab Republic. Damar Rada. 2170m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501946. 3746. Yemen Arab Republic. Damar Sharyah. 2170m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501947. 3748. Yemen Arab Republic. Damar Mashrayah. 2050m. Race

501544 TO 501971-continued

- kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501948. 3749. Yemen Arab Republic. Damar Mashrayah. 2000m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501949. 3750. Yemen Arab Republic. Damar Mashrayah. 2050m. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501950. 3753. Yemen Arab Republic. Damar Mashrayah. 2050m. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501951. 3755. Yemen Arab Republic. Al Baida Al Kahir. 2050m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501952. 3756. Yemen Arab Republic. Al Baida Al Kahir. 2050m. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501953. 3757. Yemen Arab Republic. Al Baida Al Kahir. 2000m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501954. 3758. Yemen Arab Republic. Al Baida Al Kahir. 2000m. Race caudatum kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501955. 3759. Yemen Arab Republic. Al Baida Al Kahir. 2000m. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501956. 3763. Yemen Arab Republic. Damar Rada Al Kahir. 2000m. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501957. 3766. Yemen Arab Republic. Damar Al Kahir. 2000m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501958. 3769. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir. Head type 6 - semi-compact, elliptical. Seeds

501544 TO 501971-continued

yellow. Cultivated. Seed.

501959. 3772. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501960. 3778. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501961. 3779. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501962. 3781. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
501963. 3784. Yemen Arab Republic. Damar Al Kahir. 2000m. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501964. 3785. Yemen Arab Republic. Damar Al Kahir. 2000m. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light red. Cultivated. Seed.
501965. 3788. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir. Head type 6 - semi-compact, elliptical. Seeds orange and red. Cultivated. Seed.
501966. 3790. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
501967. 3793. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
501968. 3795. Yemen Arab Republic. Damar Al Kahir. 2000m. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
501969. 3797. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
501970. 3798. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.

501544 TO 501971-continued

501971. 3800. Yemen Arab Republic. Damar Al Kahir. 2000m. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.

501972 TO 502160. *Arachis hypogaea* L. (Fabaceae) Peanut.

From United States. Donated by Simpson, C.E.; Texas A&M University, Texas Agricultural Experiment Station; Stephenville, Texas.
Received April 1985.

501972. SP 403-1. Peru. Selection from PI 476015. Seeds red. Cultivated. Seed.

501973. SP 403-2. Peru. Selection from PI 476015. Seeds tan. Cultivated. Seed.

501974. SP 403-3. Peru. Selection from PI 476015. Seeds purple. Cultivated. Seed.

501975. SPA 408-1. Peru. Selection from PI 476020. Seeds red. Cultivated. Seed.

501976. SPA 408-2. Peru. Selection from PI 476020. Seeds tan. Cultivated. Seed.

501977. SPA 409-1. Peru. Selection from PI 476021. Seeds tan. Cultivated. Seed.

501978. SPA 409-2. Peru. Selection from PI 476021. Seeds red. Cultivated. Seed.

501979. SPA 410-2. Peru. Selection from PI 476022. Seeds red. Cultivated. Seed.

501980. SPA 410-3. Peru. Selection from PI 476022. Seeds white. Cultivated. Seed.

501981. SPA 411-1. Peru. Selection from PI 476023. Seeds tan (#1). Cultivated. Seed.

501982. SPA 411-2. Peru. Selection from PI 476023. Seeds tan (#2). Cultivated. Seed.

501983. SPA 411-3. Peru. Selection from PI 476023. Seeds red. Cultivated. Seed.

501984. SPA 411-4. Peru. Selection from PI 476023. Seeds white. Cultivated. Seed.

501985. SPA 415-1. Peru. Selection from PI 476027. Seeds red.

501972 TO 502160-continued

Cultivated. Seed.

501986. SPA 415-2. Peru. Selection from PI 476027. Seeds tan. Cultivated. Seed.
501987. SPA 415-3. Peru. Selection from PI 476027. Seeds purple. Cultivated. Seed.
501988. SPA 415-4. Peru. Selection from PI 476027. Seeds purple (#2). Cultivated. Seed.
501989. SP 424-1. Peru. Selection from PI 476036. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
501990. SP 424-2. Peru. Selection from PI 476036. Seeds tan. Cultivated. Seed.
501991. SP 424-3. Peru. Selection from PI 476036. Seeds white (#1). Cultivated. Seed.
501992. SP 424-4. Peru. Selection from PI 476036. Seeds white (#2). Cultivated. Seed.
501993. SP 424-5. Peru. Selection from PI 476036. Seeds red. Cultivated. Seed.
501994. SP 425-1. Peru. Selection from PI 476037. Seeds purple. Cultivated. Seed.
501995. SP 425-2. Peru. Selection from PI 476037. Seeds tan. Cultivated. Seed.
501996. SP 425-3. Peru. Selection from PI 476037. Seeds red. Cultivated. Seed.
501997. SP 426-1. Peru. Selection from PI 476038. Seed color mixed (pink and light red). Cultivated. Seed.
501998. SP 426-2. Peru. Selection from PI 476038. Seeds dark purple. Cultivated. Seed.
501999. SP 426-3. Peru. Selection from PI 476038. Seeds red. Cultivated. Seed.
502000. SP 426-4. Peru. Selection from PI 476038. Seeds purple. Cultivated. Seed.
502001. SP 428-1. Peru. Selection from PI 476040. Seeds color mixed (tan and pink). Cultivated. Seed.
502002. SP 428-3. Peru. Selection from PI 476040. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.

501972' TO 502160-continued

502003. SP 428-4. Peru. Selection from PI 476040. Seeds red. Cultivated. Seed.
502004. SPZ 451-1. Peru. Selection from PI 476143. Seeds tan. Cultivated. Seed.
502005. SPZ 451-2. Peru. Selection from PI 476143. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502006. SPZ 451-3. Peru. Selection from PI 476143. Seeds red. Cultivated. Seed.
502007. SPZ 452-1. Peru. Selection from PI 476144. Seeds purple. Cultivated. Seed.
502008. SPZ 452-2. Peru. Selection from PI 476144. Seeds red. Cultivated. Seed.
502009. SPZ 452-3. Peru. Selection from PI 476144. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502010. SPZ 452-4. Peru. Selection from PI 476144. Seeds tan. Cultivated. Seed.
502011. SPZ 453-1. Peru. Selection from PI 476145. Seeds tan. Cultivated. Seed.
502012. SPZ 453-2. Peru. Selection from PI 476145. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502013. SPZ 453-3. Peru. Selection from PI 476145. Seeds red. Cultivated. Seed.
502014. SPZ 454-1. Peru. Selection from PI 476146. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502015. SPZ 454-2. Peru. Selection from PI 476146. Seeds tan. Cultivated. Seed.
502016. SPZ 454-3. Peru. Selection from PI 476146. Seeds red. Cultivated. Seed.
502017. SPZ 455-1. Peru. Selection from PI 476147. Seeds tan. Cultivated. Seed.
502018. SPZ 455-2. Peru. Selection from PI 476147. Seeds red. Cultivated. Seed.
502019. SPZ 455-3. Peru. Selection from PI 476147. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502020. SPZ 456-1. Peru. Selection from PI 476148. Seeds

501972 TO 502160-continued

- gaspeado (purple flecks on tan). Cultivated. Seed.
502021. SPZ 456-2. Peru. Selection from PI 476148. Seeds red. Cultivated. Seed.
502022. SPZ 457-1. Peru. Selection from PI 476149. Seeds tan. Cultivated. Seed.
502023. SPZ 457-2. Peru. Selection from PI 476149. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502024. SPZ 457-3. Peru. Selection from PI 476149. Seeds dark purple. Cultivated. Seed.
502025. SPZ 459-1. Peru. Selection from PI 476151. Seeds tan. Cultivated. Seed.
502026. SPZ 459-2. Peru. Selection from PI 476151. Seeds dark purple. Cultivated. Seed.
502027. SPZ 459-3. Peru. Selection from PI 476151. Seeds purple. Cultivated. Seed.
502028. SPZ 459-4. Peru. Selection from PI 476151. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502029. SPZ 460-1. Peru. Selection from PI 476152. Seed color mixed (red and white). Cultivated. Seed.
502030. SPZ 460-2. Peru. Selection from PI 476152. Seeds tan. Cultivated. Seed.
502031. SPZ 460-3. Peru. Selection from PI 476152. Seeds red. Cultivated. Seed.
502032. SPZ 466-1. Peru. Selection from PI 476158. Seeds gaspeado (purple flecks on red). Cultivated. Seed.
502033. SPZ 466-2. Peru. Selection from PI 476158. Seeds tan. Cultivated. Seed.
502034. SPZ 466-3. Peru. Selection from PI 476158. Seeds red. Cultivated. Seed.
502035. SPZ 467-1. Peru. Selection from PI 476159. Seeds purple. Cultivated. Seed.
502036. SPZ 467-2. Peru. Selection from PI 476159. Seeds tan. Cultivated. Seed.
502037. SPZ 467-3. Peru. Selection from PI 476159. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.

501972 TO 502160-continued

502038. SPZ 468-1. Peru. Selection from PI 476160. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502039. SPZ 468-2. Peru. Selection from PI 476160. Seeds tan. Cultivated. Seed.
502040. SPZ 469-1. Peru. Selection from PI 476161. Seeds tan. Cultivated. Seed.
502041. SPZ 469-2. Peru. Selection from PI 476161. Seeds red (#2). Cultivated. Seed.
502042. SPZ 469-3. Peru. Selection from PI 476161. Seeds red. Cultivated. Seed.
502043. SPZ 470-1. Peru. Selection from PI 476162. Seeds purple. Cultivated. Seed.
502044. SPZ 470-2. Peru. Selection from PI 476162. Seeds tan. Cultivated. Seed.
502045. SPZ 471-1. Peru. Selection from PI 476163. Seeds purple. Cultivated. Seed.
502046. SPZ 471-2. Peru. Selection from PI 476163. Seeds tan. Cultivated. Seed.
502047. SPZ 471-3. Peru. Selection from PI 476163. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502048. SPZ 472-1. Peru. Selection from PI 476164. Seeds white. Cultivated. Seed.
502049. SPZ 472-2. Peru. Selection from PI 476164. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502050. SPZ 472-3. Peru. Selection from PI 476164. Seeds tan. Cultivated. Seed.
502051. SPZ 473-1. Peru. Selection from PI 476165. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502052. SPZ 473-2. Peru. Selection from PI 476165. Seeds tan. Cultivated. Seed.
502053. SPZ 474-1. Peru. Selection from PI 476166. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502054. SPZ 474-2. Peru. Selection from PI 476166. Seeds tan. Cultivated. Seed.
502055. SPZ 475-1. Peru. Selection from PI 476167. Seeds tan.

501972 TO 502160-continued
Cultivated. Seed.

502056. SPZ 475-2. Peru. Selection from PI 476167. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502057. SPZ 476-1. Peru. Selection from PI 476168. Seeds purple. Cultivated. Seed.
502058. SPZ 476-3. Peru. Selection from PI 476168. Seeds tan. Cultivated. Seed.
502059. SPZ 476-4. Peru. Selection from PI 476168. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502060. SPZ 477-1. Peru. Selection from PI 476169. Seeds tan. Cultivated. Seed.
502061. SPZ 477-2. Peru. Selection from PI 476169. Seeds purple. Cultivated. Seed.
502062. SPZ 477-3. Peru. Selection from PI 476169. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502063. SPZ 479-1. Peru. Selection from PI 476171. Seeds purple. Cultivated. Seed.
502064. SPZ 479-2. Peru. Selection from PI 476171. Seeds tan. Cultivated. Seed.
502065. SPZ 480-1. Peru. Selection from PI 476172. Seeds tan. Cultivated. Seed.
502066. SPZ 480-2. Peru. Selection from PI 476172. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502067. SPZ 480-3. Peru. Selection from PI 476172. Seeds purple. Cultivated. Seed.
502068. SPZ 481-1. Peru. Selection from PI 476173. Seeds tan. Cultivated. Seed.
502069. SPZ 481-2. Peru. Selection from PI 476173. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502070. SPZ 482-1. Peru. Selection from PI 476174. Seeds tan. Cultivated. Seed.
502071. SPZ 482-2. Peru. Selection from PI 476174. Seeds purple. Cultivated. Seed.
502072. SPZ 482-4. Peru. Selection from PI 476174. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.

501972 TO 502160-continued

502073. SPZ 483-1. Peru. Selection from PI 476175. Seeds tan. Cultivated. Seed.
502074. SPZ 483-2. Peru. Selection from PI 476175. Seeds purple. Cultivated. Seed.
502075. SPZ 483-3. Peru. Selection from PI 476175. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502076. SPZ 484-1. Peru. Selection from PI 476176. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502077. SPZ 484-2. Peru. Selection from PI 476176. Seeds tan. Cultivated. Seed.
502078. SPZ 484-3. Peru. Selection from PI 476176. Seeds purple. Cultivated. Seed.
502079. SPZ 485-1. Peru. Selection from PI 476177. Seeds variegated (striped). Cultivated. Seed.
502080. SPZ 485-2. Peru. Selection from PI 476177. Seeds tan. Cultivated. Seed.
502081. SPZ 485-3. Peru. Selection from PI 476177. Seeds dark purple. Cultivated. Seed.
502082. SPZ 485-4. Peru. Selection from PI 476177. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502083. SPZ 485-5. Peru. Selection from PI 476177. Seeds purple. Cultivated. Seed.
502084. SPZ 486-1. Peru. Selection from PI 476178. Seeds purple. Cultivated. Seed.
502085. SPZ 486-2. Peru. Selection from PI 476178. Seeds tan. Cultivated. Seed.
502086. SPZ 485-3. Peru. Selection from PI 476178. Seeds variegated (striped). Cultivated. Seed.
502087. SPZ 486-5. Peru. Selection from PI 476178. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502088. SPZ-487-1. Peru. Selection from PI 476179. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502089. SPZ 487-2. Peru. Selection from PI 476179. Seeds tan. Cultivated. Seed.
502090. SPZ 487-3. Peru. Selection from PI 476179. Seeds purple.

501972 TO 502160-continued

Cultivated. Seed.

502091. SPZ 488-1. Peru. Selection from PI 476180. Seeds red. Cultivated. Seed.
502092. SPZ 488-2. Peru. Selection from PI 476180. Seeds dark purple. Cultivated. Seed.
502093. SPZ 488-3. Peru. Selection from PI 476180. Seeds tan. Cultivated. Seed.
502094. SPZ 488-5. Peru. Selection from PI 476180. Seeds purple. Cultivated. Seed.
502095. SPZ 488-6. Peru. Selection from PI 476180. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502096. SPZ 491-1. Peru. Selection from PI 476183. Seeds tan. Cultivated. Seed.
502097. SPZ 491-2. Peru. Selection from PI 476183. Seeds red. Cultivated. Seed.
502098. SPZ 491-3. Peru. Selection from PI 476183. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502099. SPZ 491-4. Peru. Selection from PI 476183. Seeds variegated (striped). Cultivated. Seed.
502100. SPZ 491-5. Peru. Selection from PI 476183. Seeds purple. Cultivated. Seed.
502101. SPZ 491-7. Peru. Selection from PI 476183. Seeds dark purple. Cultivated. Seed.
502102. SPZ 492-1. Peru. Selection from PI 476184. Seeds variegated (striped). Cultivated. Seed.
502103. SPZ 492-2. Peru. Selection from PI 476184. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502104. SPZ 492-3. Peru. Selection from PI 476184. Seeds tan. Cultivated. Seed.
502105. SPZ 492-4. Peru. Selection from PI 476184. Seeds purple. Cultivated. Seed.
502106. SPZ 493-1. Peru. Selection from PI 476185. Seeds tan. Cultivated. Seed.
502107. SPZ 493-2. Peru. Selection from PI 476185. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.

501972 TO 502160-continued

502108. SPZ 493-3. Peru. Selection from PI 476185. Seeds purple. Cultivated. Seed.
502109. SPZ 493-4. Peru. Selection from PI 476185. Seeds purple. Cultivated. Seed.
502110. SPZ 494-1. Peru. Selection from PI 476186. Seeds tan. Cultivated. Seed.
502111. SPZ 494-2. Peru. Selection from PI 476186. Seeds variegated (striped dark). Cultivated. Seed.
502112. SPZ 494-3. Peru. Selection from PI 476186. Seeds purple. Cultivated. Seed.
502113. SPZ 494-7. Peru. Selection from PI 476186. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502114. SPZ 495-1. Peru. Selection from PI 476187. Seeds purple. Cultivated. Seed.
502115. SPZ 495-2. Peru. Selection from PI 476187. Seeds tan. Cultivated. Seed.
502116. SPZ 496-1. Peru. Selection from PI 476188. Seeds red. Cultivated. Seed.
502117. SPZ 496-2. Peru. Selection from PI 476188. Seeds tan. Cultivated. Seed.
502118. SPZ 496-3. Peru. Selection from PI 476188. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502119. SPZ 496-4. Peru. Selection from PI 476188. Seeds purple. Cultivated. Seed.
502120. SPZ 497-1. Peru. Selection from PI 476189. Seeds variegated (striped). Cultivated. Seed.
502121. SPZ 497-2. Peru. Selection from PI 476189. Seeds tan. Cultivated. Seed.
502122. SPZ 497-3. Peru. Selection from PI 476189. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502123. SPZ 497-4. Peru. Selection from PI 476189. Seeds purple. Cultivated. Seed.
502124. SPZ 498-1. Peru. Selection from PI 476190. Seeds tan. Cultivated. Seed.
502125. SPZ 498-2. Peru. Selection from PI 476190. Seeds purple.

501972 TO 502160-continued

- Cultivated. Seed.
502126. SPZ 499-1. Peru. Selection from PI 476191. Seeds red. Cultivated. Seed.
502127. SPZ 499-2. Peru. Selection from PI 476191. Seeds purple. Cultivated. Seed.
502128. SPZ 499-3. Peru. Selection from PI 476191. Seeds tan. Cultivated. Seed.
502129. SPZ 499-4. Peru. Selection from PI 476191. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502130. SPZ 499-5. Peru. Selection from PI 476191. Seeds small purple. Cultivated. Seed.
502131. SPZ 500-1. Peru. Selection from PI 476192. Seeds purple. Cultivated. Seed.
502132. SPZ 500-2. Peru. Selection from PI 476192. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502133. SPZ 500-3. Peru. Selection from PI 476192. Seeds tan. Cultivated. Seed.
502134. SPZ 501-1. Peru. Selection from PI 476193. Seeds tan. Cultivated. Seed.
502135. SPZ 501-2. Peru. Selection from PI 476193. Seeds purple. Cultivated. Seed.
502136. SPZ 501-3. Peru. Selection from PI 476193. Seeds purple. Cultivated. Seed.
502137. SPZ 501-4. Peru. Selection from PI 476193. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502138. SPZ 502-1. Peru. Selection from PI 476194. Seeds tan. Cultivated. Seed.
502139. SPZ 502-2. Peru. Selection from PI 476194. Seeds purple. Cultivated. Seed.
502140. SPZ 503-1. Peru. Selection from PI 476195. Seeds tan. Cultivated. Seed.
502141. SPZ 503-2. Peru. Selection from PI 476195. Seeds purple. Cultivated. Seed.
502142. SPZ 503-4. Peru. Selection from PI 476195. Seeds variegated (striped). Cultivated. Seed.

501972 TO 502160-continued

502143. SPZ 504-1. Peru. Selection from PI 476196. Seeds tan. Cultivated. Seed.
502144. SPZ 504-2. Peru. Selection from PI 476196. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502145. SPZ 504-3. Peru. Selection from PI 476196. Seeds purple. Cultivated. Seed.
502146. SPZ 505-1. Peru. Selection from PI 476197. Seeds gaspeado (purple flecks on tan). Cultivated. Seed.
502147. SPZ 505-3. Peru. Selection from PI 476197. Seeds purple. Cultivated. Seed.
502148. SP 509-1. Peru. Selection from PI 476201. Seeds red. Cultivated. Seed.
502149. SP 509-2. Peru. Selection from PI 476201. Seeds tan. Cultivated. Seed.
502150. SP 509-3. Peru. Selection from PI 476201. Seeds purple. Cultivated. Seed.
502151. SP 510-1. Peru. Selection from PI 476202. Seeds red. Cultivated. Seed.
502152. SP 510-2. Peru. Selection from PI 476202. Seeds pink. Cultivated. Seed.
502153. SP 512-1. Peru. Selection from PI 476204. Seeds mixed (red with black). Cultivated. Seed.
502154. SP 512-2. Peru. Selection from PI 476204. Seeds red. Cultivated. Seed.
502155. SP 515-1. Peru. Selection from PI 476207. Seeds tan. Cultivated. Seed.
502156. SP 515-2. Peru. Selection from PI 476207. Seeds red. Cultivated. Seed.
502157. SP 517-1. Peru. Selection from PI 476209. Seeds red. Cultivated. Seed.
502158. SP 517-2. Peru. Selection from PI 476209. Seeds mixed (tan and pink). Cultivated. Seed.
502159. SP 518-1. Peru. Selection from PI 476210. Seeds red. Cultivated. Seed.
502160. SP 518-2. Peru. Selection from PI 476210. Seeds tan.

501972 TO 502160-continued
Cultivated. Seed.

502161 TO 502163. Malus sp. (Rosaceae).

From Romania. Donated by Institut des Recherches pour
Arboriculture Fruttiere; 0300 Pitesti - Maracineni.
Received January 1986.

502161. FO-59-4. Romania. Breeding Material. Budwood.

502162. FO-80-10. Romania. Breeding Material. Budwood.

502163. F1-48-95. Romania. Breeding Material. Budwood.

502164. Malus sylvestris Mill. (Rosaceae) Apple.

From Romania. Donated by Casavela, S.; Statienea de Cercotare si
Productie Pomicola; 2616 Geoagiu, jud. Hunedoara.
Received through Institut des Recherches pour
Arboriculture Fruttiere, Pitesti, Romania.
Received January 1986.

G22. Romania. Plants vigorous, dwarfing rootstock
similar to Malling 26. Cultivar. Budwood.

502165 TO 502169. Pyrus communis L. (Rosaceae) Pear.

From Yugoslavia. Donated by Stankovic, D.; Department of
Horticulture, University of Belgrade; 11080 Zemun
(Belgrade).
Received February 1986.

502165. Karamanlika. Yugoslavia. Zemun (Belgrade). Dept. of
Horticulture, Univ. of Belgrade. Collected 1981. Bosnia.
Collected by D. Stankovic. Cultivar. Budwood.

502166. Saafaranja. Yugoslavia. Zemun (Belgrade). Dept. of
Horticulture, Univ. of Belgrade. Collected 1980. Serbia.
Collected by D. Stankovic. Cultivar. Budwood.

502167. Sarajka. Yugoslavia. Zemun (Belgrade). Dept. of
Horticulture, Univ. of Belgrade. Collected 1981. Bosnia.
Collected by D. Stankovic. Cultivar. Budwood.

502168. Tikvaca. Yugoslavia. Zemun (Belgrade). Dept. of
Horticulture, Univ. of Belgrade. Collected 1981. Bosnia.
Collected by D. Stankovic. Cultivar. Budwood.

502169. Zimska. Yugoslavia. Zemun (Belgrade). Dept. of
Horticulture, Univ. of Belgrade. Collected 1981. Bosnia.

502165 TO 502169-continued

Collected by D. Stankovic. Cultivar. Budwood.

502170. *Pyrus communis* L. (Rosaceae) Pear.

From Poland. Donated by Zagaja, S.; Research Institute of Pomology; Skierniewice.

Received February 1986.

Edmundka. Poland. Collected 1976. Collected by T. van der Zwet. Tree very susceptible to fire blight. Fruit small, pyriform, green. Cultivar. Budwood.

502171 TO 502178. *Pyrus communis* L. (Rosaceae) Pear.

From United States. Donated by Van der Zwet, T.; Appalachian Fruit Research Station, USDA-ARS; Kearneysville, West Virginia.

Received February 1986.

502171. H-6. Clapps Favorite type V. Hungary. 1118 Budapest. J. Nyeki, Dept. of Fruit Growing, Univ. of Hort. Collected September 1978. Pear variety collection, Erd-Elvira. Collected by T. van der Zwet. Cultivar. Budwood.
502172. H-17. Katman. Hungary. 1118 Budapest. J. Nyeki, Dept. of Fruit Growing, Univ. of Hort. Collected September 1978. Pear variety collection, Erd-Elvira. Collected by T. van der Zwet. Cultivar. Budwood.
502173. P-11. Poland. Collected September 1978. Near Zawoda Kowalicha (SE Poland). Collected by T. van der Zwet. Fruit small, green. Resistant to local diseases and other pests. Wild. Budwood.
502174. R-77. Rosii Untoase. Romania. Pitesti-Maracineni. N. Braniste, Lab. of Fruit Tree Genetics,. Collected October 1978. From pear variety collection at fruit experiment station. Collected by T. van der Zwet. Cultivar. Budwood.
502175. R-88. Urechelnite. Romania. Pitesti-Maracineni. N. Braniste, Lab. of Fruit Tree Genetics. Collected October 1978. From pear variety collection at fruit experiment station. Collected by T. van der Zwet. Cultivar. Budwood.
502176. Y-25. Smokvarka. Yugoslavia. Skopje. B. Ristevski, Inst. for Fruit Growing Fac. of Agr. Collected October 1978. From pear variety collection at fruit experiment station. Collected by T. van der Zwet. Fruit round ovate, ripens mid August. Possibly a hybrid with *P. nivalis*. Cultivar. Budwood.

502171 TO 502178-continued

502177. Y-120. Obican Vodenac. Yugoslavia. Collected August 1978. Prokupaz nursery near Prokupleje, Serbia. Collected by T. van der Zwet. Cultivar. Budwood.

502178. Y-266. Yugoslavia. Collected September 1980. Field near Smilevo, Macedonia. Collected by T. van der Zwet. Leaves very green, healthy. Fruit 50 x 60mm, pyriform, some fruit ripe, some green, moderate grit, quite sweet. May be cultivar Smiljevka. Cultivated. Budwood.

502179. *Pyrus* hybrid (Rosaceae) Pear.

From United States. Donated by Van der Zwet, T.; Appalachian Fruit Research Station, USDA-ARS; Kearneysville, West Virginia.
Received February 1986.

H-2. Sbkta 20/77. Hungary. Budapest. A. Terpo, Botanic Garden Soroksar, Univ. of Hort. . *P. communis*/*P. nivalis*. Collected September 1978. Botanic garden north of Budapest. Collected by T. van der Zwet. Fruit small. Cultivar. Budwood.

502180. *Pyrus* sp. (Rosaceae).

From United States. Donated by Van der Zwet, T.; Appalachian Fruit Research Station, USDA-ARS; Kearneysville, West Virginia.
Received February 1986.

Y-13. Yugoslavia. Near Resen, Macedonia. Collected by T. van der Zwet. Leaves very green, some leaf minor damage. Fruit round, pyriform, gritty. May be *P. communis*.

502181 TO 502187. *Phaseolus lunatus* L. (Fabaceae) Lima bean.

From United States. Donated by Cheyenne Horticultural Station, USDA-ARS; Cheyenne, Wyoming.
Received October 1984.

502181. L-18-9. Seed.

502182. L-54-9. Seed.

502183. L-81-9. Seed.

502184. L-119-9. Seed.

502185. L-120A. Seed.

502181 TO 502187-continued

502186. L-120B. Seed.

502187. L-144b-6. Seed.

502188 TO 502238. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From United States. Donated by Cheyenne Horticultural Station,
USDA-ARS; Cheyenne, Wyoming.
Received October 1984.

502188. CHS 165-9. United States. Other identification FPI # 93. Tested by W.W. Tracy between 1920 and 1950. Seeds white. Breeding Material. Seed.
502189. CHS 167-6. United States. Other identification FPI # 126. Tested by W.W. Tracy between 1920 and 1950. Seeds light brown. Breeding Material. Seed.
502190. CHS 262-4. Brazil. Collected 1930. Collected by D.N. Shoemaker, Bureau of Plant Industry, USDA, Washington, D.C. D. N. Shoemaker 27794. Tested by W.W. Tracy between 1920 and 1950. Seeds red. Breeding Material. Seed.
502191. CHS 275-10. United States. Red mexican type. Dana beans. Breeding Material. Seed.
502192. CHS 278-10. United States. BL/RM. Dana beans. Seeds small, flat, white. Breeding Material. Seed.
502193. CHS 285-9. Pilot. United States. Seeds white. Cultivar. Seed.
502194. CHS 291-7. United States. Seeds light red, kidney type. Breeding Material. Seed.
502195. CHS 313-9. United States. Other identification FPI # N949B. Wade beans. Seeds purple splotched, Humfield. Breeding Material. Seed.
502196. CHS 314-9. United States. Other identification FPI # N388-6-2. Wade beans. TG type, I, Ives. Breeding Material. Seed.
502197. CHS 316-5. United States. Other identification FPI # N367-900. Wade beans. Seeds tan. Breeding Material. Seed.
502198. CHS 319-10. United States. Other identification FPI # 285. Wade beans. Seeds tan, Hutchings. Breeding Material. Seed.
502199. CHS 320-5. United States. Other identification FPI #

502188 TO 502238-continued

- N287. Wade beans. Seeds tan, pink, Irwin. Breeding Material. Seed.
502200. CHS 321-9. United States. Other identification FPI # N229. Wade beans. Seeds tan, Jones. Breeding Material. Seed.
502201. CHS 323-9. United States. Other identification FPI # N280. Wade beans. Seeds tan, Horton. Breeding Material. Seed.
502202. CHS 325-9. United States. Other identification FPI # N75. Wade beans. TG type. Breeding Material. Seed.
502203. CHS 326-9. United States. Other identification FPI # N919-B. Wade beans. Seeds tan, yellow, Stanton. Breeding Material. Seed.
502204. CHS 327-9. United States. Other identification FPI # N857-1B. Wade beans. Seeds tan, yellow, Allard. Breeding Material. Seed.
502205. CHS 330-9. United States. Other identification FPI # 305. Wade beans. Seeds tan, Hodges. Breeding Material. Seed.
502206. CHS 333-9. United States. Other identification FPI # N-297. Wade beans. Seeds tan, Henderson. Breeding Material. Seed.
502207. CHS 334-6. United States. Other identification FPI # N-835. Wade beans. Seeds light tan. Breeding Material. Seed.
502208. CHS 336-9. United States. Other identification FPI # N-304. Wade beans. Seeds light tan, Huber. Breeding Material. Seed.
502209. CHS 337-10. Juli. United States. Other identification FPI # N-282. Wade beans. Seeds light tan, Ireland. Cultivar. Seed.
502210. CHS 338-8. United States. Other identification FPI # Fullgreen #1. Wade beans. Seeds gray brown. Breeding Material. Seed.
502211. CHS 341-9. United States. Wade beans. Pinto type. Inman. Breeding Material. Seed.
502212. CHS 342-8. United States. Ashley/TG/Logan/Logan/Bush-Ky Wonder. Wade beans. Pinto type. Breeding Material. Seed.
502213. CHS 346-10. United States. Wade beans. Pinto type. D. Heald. Breeding Material. Seed.

502188 TO 502238-continued

502214. CHS 347-10. United States. Other identification FPI # 388-8-5(c). Wade beans. Pinto type. Kerr. Breeding Material. Seed.
502215. CHS 350-9. United States. Other identification FPI # US#1. Wade beans. Seeds light tan. Breeding Material. Seed.
502216. CHS 351-10. United States. Other identification FPI # B1583. Wade beans. Mixed pinto and tepary types. Breeding Material. Seed.
502217. CHS 352-9. United States. Other identification FBI #B1584. Wade beans. Mixed pinto and tepary types. Seeds white. Breeding Material. Seed.
502218. CHS 359-9. United States. Other identification FPI # U of I #81. Wade beans. Great Northern type. Seeds white. Breeding Material. Seed.
502219. CHS 361-8. United States. Other identification FPI # Idaho Pinto #78. Wade beans. Breeding Material. Seed.
502220. CHS 368-10. United States. Other identification Wade # N229. Wade beans. R. Brown seeds. Jones. Breeding Material. Seed.
502221. CHS 369-9. United States. Other identification Wade # N280. Wade beans. R. Brown seeds. Horton. Breeding Material. Seed.
502222. CHS 370-10. United States. Other identification Wade # N282. Wade beans. R. Brown seeds. Ireland. Breeding Material. Seed.
502223. CHS 371-10. United States. Other identification Wade # N283. Wade beans. R. Brown seeds. Johnson. Breeding Material. Seed.
502224. CHS 372-10. United States. Other identification Wade # N284. Wade beans. R. Brown seeds. Jensen. Breeding Material. Seed.
502225. CHS 386-8. United States. Other identification Wade # N367-900. Wade beans. R. Brown seeds. Breeding Material. Seed.
502226. CHS 388-10. United States. Other identification Wade # J-N388-6-2. Wade beans. Mt. G-R-Brown seeds. Ives. Breeding Material. Seed.
502227. CHS 389-10. United States. Other identification Wade # F-

502188 TO 502238-continued

- N388-7-6. Wade beans. Mt. G-R-Brown seeds. Haut. Breeding Material. Seed.
502228. CHS 390-10. United States. Other identification Wade # N388-8-5 (c). Wade beans. Mt. Brown P. seeds. Kerr. Breeding Material. Seed.
502229. CHS 391-10. United States. Other identification Wade # D-N391-1-4. Wade beans. Mixed R-B-B seeds. Heald. Breeding Material. Seed.
502230. CHS 393-5. United States. Other identification Wade # H-N391-15-2. Wade beans. Mt. Brown seeds. Breeding Material. Seed.
502231. CHS 394-10. United States. Other identification Wade # A-N391-15-4. Wade beans. Mt. R.B.B. seeds. Breeding Material. Seed.
502232. CHS 395-10. United States. Other identification Wade # B-N391-15-11. Wade beans. Mt. Brown seeds. Higgins. Breeding Material. Seed.
502233. CHS 399-10. United States. Other identification Wade # N835B. Wade beans. R. Brown seeds. Book. Breeding Material. Seed.
502234. CHS 400. United States. Other identification Wade # N844B. Wade beans. Mt. B. Brown seeds. Breeding Material. Seed.
502235. CHS 401-9. United States. Other identification Wade # N859-1B. Wade beans. R. Brown seeds. Allard. Breeding Material. Seed.
502236. CHS 402-10. United States. Other identification Wade # N919B. Wade beans. R. Brown seeds. Stanton. Breeding Material. Seed.
502237. CHS 403-10. United States. Other identification Wade # N949B. Wade beans. Mt. B. Brown seeds. Homfield. Breeding Material. Seed.
502238. CHS 543-8. Seeds large, white. Breeding Material. Seed.

502239. *Daucus carota* L. (Apiaceae).

From South Africa. Donated by Directorate of Plant and Seed Control, Department of Agricultural Economics and Marketing; Pretoria 0001.
Received February 1986.

502239-continued

Cape Market. South Africa. Cultivated. Seed.

502240. *Salsola kali* L. (Chenopodiaceae).

From Greece. Donated by Gavalas, N.A.; Department of Biology,
University of Patras; Patras.
Received February 1986.

Greece. Rion Beach, Achaia County, Northwest Peloponnese.
Collected by G. Karabourniotis. Wild. Seed.

502241. *Salsola soda* L. (Chenopodiaceae).

From Greece. Donated by Gavalas, N.A.; Department of Biology,
University of Patras; Patras.
Received February 1986.

Greece. Rion Beach, Achaia County, Northwest Peloponnese.
Collected by G. Karabourniotis. Wild. Seed.

502242 TO 502243. *Aegilops cylindrica* Host (Poaceae) Jointed goatgrass.

From United States. Donated by Briggles, L.W.; Germplasm
Introduction and Evaluation Laboratory, USDA-ARS;
Beltsville, Maryland.
Received February 1986.

502242. United States. Latitude: 43 deg 45 m N; Longitude: 111
deg 35 m W. Collected August 11, 1985. Grain bin area on
Wood Brothers farm, 12.5km S of Newdale, Idaho. Collected
by L.W. Briggles. Wild. Seed.

502243. United States. Latitude: 43 deg 45 m N; Longitude: 111
deg 35 m W. Collected August 11, 1985. Equipment parking
area on Wood Brothers farm, 12.5km S of Newdale, Idaho.
Collected by L.W. Briggles. Wild. Seed.

502244 TO 502246. *Daucus carota* L. (Apiaceae).

From United States. Donated by Linington, S.; Foyal Botanic
Gardens Kew; Wakehurst Place.
Received February 1986.

502244. 20378. Portugal. Coimbra. Department of Botany,
Universidade de Coimbra. Latitude: 40 deg 07 m N;
Longitude: 008 deg 15 m W. Collected September 04, 1975.
Lousa. Collected by M. de Alexadrino, #2022. Plants
growing in calcareous soil. Cultivated. Seed.

502245. 20389. Spain. Barcelona. Jardin Botanico. Latitude: 41
deg N; Longitude: 002 deg E. Montjuic. 70m. Cultivated.
Seed.

502244 TO 502246-continued

502246. 33967. Poland. Poznan. Hortus Bot., Inst. Plant. Medic.
Latitude: 52 deg 30 N; Longitude: 017 deg E. Collected
September 01, 1975. Collected by J. Koztowski, #1230.
Cultivated. Seed.

502247. *Daucus gracilis* Steinh. (Apiaceae).

From United States. Donated by Linington, S.; Royal Botanic
Gardens Kew; Wakehurst Place.
Received February 1986.

25007. Morocco. Latitude: 30 deg N; Longitude: 009 deg W.
Collected June 01, 1974. Road to Ksaressouk, 18km E of
Goulmima. 1000m. Collected by C.J. Humphries, Jury,
Mullins, and I.B.K. Richardson, #883. Wild. Seed.

502248. *Malus sylvestris* Mill. (Rosaceae) Apple.

From Australia. Donated by Johnston, D.J.; Stoneville Research
Station, Department of Agriculture; Stoneville, Western
Australia.
Received January 1986.

Lady Williams. Australia. A. Williams property,
Donneybrook, Western Australia. Red apple type. Maturity
late. Plants moderately vigorous, precocious croppers.
Cross pollination required. Fruit quality: outstanding
storage, crisp, firm, bright red. Cultivar. Scionwood.

502249. *Dianthus plumarius* L. (Caryophyllaceae).

From United Kingdom. Donated by Royal Botanic Gardens Kew;
Richmond, Surrey, England.
Received December 1985.

Pheasant's Eye. United Kingdom. Cultivar. Plants.

502250 TO 502252. *Salix alba* L. (Salicaceae).

From United Kingdom. Donated by Stott, K.G.; Long Ashton Research
Station, University of Bristol; Long Ashton, Bristol BS18
9AF.
Received December 1985.

502250. LARS Bed no. 9/6. Hutchinson Yellow Barked. United
Kingdom. Ornamental type. Cultivar. Cuttings.

502251. LARS Bed no. 10/3. Liempde. Netherlands. Timber,

502250 TO 502252-continued

windbreak, or biomass type. Plants to 20m tall. Cultivar. Cuttings.

502252. LARS Bed no. 10/1. St. Oedenrode. Netherlands. Timber, windbreak, or biomass type. Plants to 20m tall. Cultivar. Cuttings.

502253. *Salix* hybrid (Salicaceae).

From United Kingdom. Donated by Stott, K.G.; Long Ashton Research Station, University of Bristol; Long Ashton, Bristol BS18 9AF.

Received December 1985.

LARS Bed no. 9/4. Natural Red. United Kingdom. *S. alba vitellina*/*S. fragilis decipiens*. Ornamental and tree type to 20m tall. Cultivar. Cuttings.

502254 TO 502255. *Salix* sp. (Salicaceae).

From United Kingdom. Donated by Stott, K.G.; Long Ashton Research Station, University of Bristol; Long Ashton, Bristol BS18 9AF.

Received December 1985.

502254. LARS Bed no. 9/19. Germany, Federal Rep of. Biomass or windbreak type. Plants to 9m. Received as *Salix aquatica gigantea*. Cultivar. Cuttings.

502255. LARS Bed no. 9/18. Finland. Korso. Plants to 9m. Received as *Salix aquatica gigantea*. Cultivar. Cuttings.

502256. *Salix viminalis* L. (Salicaceae) Basket willow.

From United Kingdom. Donated by Stott, K.G.; Long Ashton Research Station, University of Bristol; Long Ashton, Bristol BS18 9AF.

Received December 1985.

LARS Bed no. 5/26. Bowles Hybrid. United Kingdom. Basket, biomass or windbreak type, to 9m tall. Cultivar. Cuttings.

502257. *Cynara scolymus* L. (Asteraceae) Globe artichoke.

From France. Donated by Jardins et Collections Botaniques; 33000 Bordeaux.

Received March 1986.

502257-continued

France. Cultivated. Seed.

502258. *Cynara scolymus* L. (Asteraceae) Globe artichoke.

From France. Donated by Pecaut, P.; Station D'Amelioration des Plantes Maraicheres, INRA; 84140 Montfavet.

Received March 1986.

INRA 29250. Camus de Bretagne. France. Plants late maturing. Seedling progeny heterogeneous. Only cultivar grown in France Brittany, the main production region. Cultivar. Seed.

502259 TO 502260. *Chrysanthemum arcticum* L. (Asteraceae).

From Germany, Federal Rep of. Donated by Klose, H.; Staudengartnerei; 3503 Lohfelder. Received through Kurt Bluemel, Inc., Fallston, Maryland.

Received December 1985.

502259. Roseum. Germany, Federal Rep of. Cultivar. Cuttings.

502260. Schwefelglanz. Germany, Federal Rep of. Cultivar. Cuttings.

502261. *Chrysanthemum serotinum* L. (Asteraceae).

From Germany, Federal Rep of. Donated by Klose, H.; Staudengartnerei; 3503 Lohfelder. Received through Kurt Bluemel, Inc., Fallston, Maryland.

Received December 1985.

Herbststern. Germany, Federal Rep of. Cultivar. Cuttings.

502262. *Acer campestre* L. (Aceraceae) Hedge maple.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.

Received November 1985.

AR-73. Soviet Union. Collected August 21, 1982. Game preserve, 20km south of Stavropol. Plants 8m tall. Wild. Seed.

502263. *Agrimonia eupatoria* L. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant

502263-continued

Exploration to USSR, 1982.
Received November 1985.

AR-68. Soviet Union. Collected August 21, 1982. High steppe grassland, calcareous soil, neutral pH, 20km S of Stavropol. 800m. Precipitation 600mm. One isolated bush. Wild. Seed.

502264 TO 502265. Agropyron hybrid (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502264. AR-93. Soviet Union. Stavropol. Stavropol Botanical Garden. *Agropyron pectiniforme* x *Elytrigia* sp. Collected August 21, 1982. Donated by Tamofeev. Plants originally from Karatschaj-Tscherkossic region. Cultivated. Seed.

502265. AR-100. Soviet Union. Stavropol. Stavropol Botanical Garden. *Agropyron pectinatum* x *Elytrigia elongatiformis*. Collected August 21, 1982. Donated by Tamofeev. Plants originally from Karatschaj-Tscherkossic region. Cultivated. Seed.

502266 TO 502270. Agropyron pectiniforme Roem. & Schult. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502266. AR-40. Soviet Union. Collected August 22, 1982. Grassland, virgin hillside 30km west of Stavropol. Large stand. Very few heads. Received as *Agropyron pectinatum*. Wild. Seed.

502267. AR-131. Soviet Union. Collected August 23, 1982. Elista Kalmyk AFR Beef Breeding Institute. Wild. Seed.

502268. AR-132. Soviet Union. Collected August 23, 1982. Elista Kalmyk ARR Beef Breeding Institute. Received as *Agropyron pectinatum*. Wild. Seed.

502269. AR-164. Soviet Union. Collected August 24, 1982. Received as *Agropyron pectiniforme* var. *karabaljikji* 202. Cultivated. Seed.

502266 TO 502270-continued

502270. AR-168. Soviet Union. Collected August 24, 1982.
Collective farm. Received as *Agropyron pectiniforme* var
karabaljikji. Cultivated. Seed.

502271. *Agropyron scythicum* Nevski (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-86. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 21, 1982. Donated by Tamofeev.
Originally from Crimea (Hungarian Wocratet Botanical
Garden, Bauramean). Wild. Seed.

502272 TO 502278. *Agrostis gigantea* Roth (Poaceae) Redtop.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502272. AR-390. Soviet Union. Leningrad. VIR. VIR 30404.
Collected October 25, 1985. USSR. Received as *Agrostis*
alba. Wild. Seed.

502273. AR-391. Soviet Union. Leningrad. VIR. VIR 30407.
Collected October 25, 1985. USSR. Received as *Agrostis*
alba. Wild. Seed.

502274. AR-392. Soviet Union. Leningrad. VIR. VIR 32546.
Collected October 25, 1985. USSR. Received as *Agrostis*
alba. Wild. Seed.

502275. AR-393. Soviet Union. Leningrad. VIR. VIR 32547.
Collected October 25, 1985. USSR. Received as *Agrostis*
alba. Wild. Seed.

502276. AR-394. Soviet Union. Leningrad. VIR. VIR 34884.
Collected October 25, 1985. USSR. Received as *Agrostis*
alba. Wild. Seed.

502277. AR-395. Soviet Union. Leningrad. VIR. VIR 36586.
Collected October 25, 1985. USSR. Received as *Agrostis*
alba. Wild. Seed.

502278. AR-426. Soviet Union. Leningrad. VIR. VIR 34884. Seed.

502279. *Agrostis* sp. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-15. Soviet Union. Collected September 18, 1982.
Reestablished steppe vegetation, Stavropol Botanical Garden, Stavropol. Received as *Agrostis alba*. Wild. Seed.

502280. *Ailanthus* cf. *altissima* (Mill.) Swingle (Simaroubaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-170. Soviet Union. Collected August 25, 1982. Elista, Kalmyk ARR. Tree 8m tall used as ornamental. Wild. Seed.

502281. *Alhagi* sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-238. Soviet Union. Collected September 06, 1982.
Roadsides, Samarkand, Uzbek, USSR. 650m. Precipitation 40mm. Spiny shrub to 1 m, xerophyte. Leaves dark green. Harvested for hay. Possibly weedy. Distribute with caution. Wild. Seed.

502282. *Althaea* sp. (Malvaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-228. Soviet Union. Collected September 03, 1982.
Chatkal Reserve near Parkent, 50km SE of Tashkent, Uzbek, USSR. Plants growing on steep hillside. Flowers white. Wild. Seed.

502283. *Aster amellus* L. (Asteraceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-61. Soviet Union. Collected August 21, 1982. High steppe grassland, calcareous soil, neutral pH, 20km S of Stavropol. Flowers purple. Received as *Aster amelloides*. Wild. Seed.

502284. *Astragalus captiosus* Boriss. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-79. Soviet Union. Collected August 21, 1982. Stavropol Botanical Garden. Donated by Tamofeev. Originally from the village "Stanitza Telentshukskaja". Cultivated. Seed.

502285. *Astragalus cicer* L. (Fabaceae) Cicer milkvetch.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-84. Soviet Union. Stavropol. Stavropol Botanical Garden. Donated by Tamofeev. Originally from near Kjafar river in Caucasus mountains. Cultivated. Seed.

502286 TO 502287. *Astragalus falcatus* Lam. (Fabaceae) Milkvetch.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502286. AR-67. Soviet Union. Collected August 21, 1982. High steppe grassland, calcareous soil, neutral pH, 20km S of Stavropol. Pods immature. Seed collected from one plant. Wild. Seed.

502286 TO 502287-continued

502287. AR-85. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Originally from Tspravnaia, River Great Tehentshuk. Cultivated. Seed.

502288. *Astragalus glycyphylloides* DC. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-81. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Originally from Budapest Botanical Garden. Cultivated. Seed.

502289 TO 502291. *Astragalus* sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502289. AR-82. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Originally from Botanical Gardens in Hungary and Germany. Received as *Astragalus neasinus*. Cultivated. Seed.

502290. AP-121. Soviet Union. Collected August 23, 1982. West, 30km of Elista Kalmyk ARR Beef Breeding Research Institute. Precipitation 250mm. Site cut for hay only. Pods 2.5cm long, inflated, abundant seed. Growing with *Stipa* sp. and crested wheatgrass. No nodules found. Cultivated. Seed.

502291. AR-241. Soviet Union. Collected September 06, 1982. Dry roadside, 50km NE of Samarkand, Uzbek, USSR. 600m. Precipitation 350mm. Plant 1 m tall. Pods few. Plants not grazed, not palatable, toxic to mammals. Check for alkaloids. No nodules obtained. Wild. Seed.

502292. *Avena sativa* L. (Poaceae) Common oat.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant

502292-continued

Exploration to USSR, 1982.
Received November 1985.

AR-258. Soviet Union. Collected September 08, 1982.
Grain Institute, 60km NE of Samarkand. Commercial
variety, wide leaf. Cultivated. Seed.

502293. Beta sp. (Chenopodiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-253. Ekudor. Soviet Union. Collected September 07,
1982. Samarkand, Uzbek, USSR. Donated by Minister of
Agriculture. Fodder beet. Yield high. Cultivar. Seed.

502294. Beta vulgaris L. (Chenopodiaceae) Common beet.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-234. Soviet Union. Collected September 05, 1982.
Farmer's market, Samarkand, Uzbek, USSR. Red table beet.
Cultivated. Seed.

502295. Betula sp. (Betulaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-104. Soviet Union. Collected August 21, 1982.
Stavropol Park, Uzbek. Native to Caucasus Mountains.
Ornamental. Cultivated. Seed.

502296 TO 502297. Bothriochloa ischaemum (L.) Keng (Poaceae) Yellow
bluestem.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant

502296 TO 502297-continued
Exploration to USSR, 1982.
Received November 1985.

502296. AR-33. Soviet Union. Collected August 20, 1982. Virgin hillside, 20km west of Stavropol. Possibly too green. Wild. Seed.

502297. AR-39. Soviet Union. Collected August 20, 1982. Virgin hillside, 30km west of Stavropol. Drier than site above. Wild. Seed.

502298 TO 502299. *Bothriochloa* sp. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502298. AR-225. Soviet Union. Collected September 03, 1982. South facing slope, Chatkal Reserve near Parkent, 50km SE of Tashkent. Small stand. Wild. Seed.

502299. AR-268. Soviet Union. Collected September 08, 1982. Reserve, steep hillside, 50km S of Samarkand, Uzbek, USSR. Isolated stand. Possibly too immature. Wild. Seed.

502300 TO 502302. *Brachypodium pinnatum* subsp. *rupestre* (Host) Schuebler & G. Martens (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502300. AR-16. Soviet Union. Collected September 19, 1982. Stavropol Botanical Garden. Re-established vegetation area. Received as *Brachypodium rupestra* subsp. *pennata*. Wild. Seed.

502301. AR-34. Soviet Union. Collected August 20, 1982. Virgin hillside, 30km W of Stavropol. Received as *Brachypodium rupestra* subsp. *pennata*. Wild. Seed.

502302. AR-51. Soviet Union. Collected August 21, 1982. High steppe grassland, calcareous soil, neutral pH, 20km S of Stavropol. Received as *Brachypodium rupestre*. Wild. Seed.

502303 TO 502304. *Brassica napus* L. (Brassicaceae) Rape.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502303. AR-115. Soviet Union. Elistaj, Kalmyk ARR. Beef Breeding Res. Inst., Ministry of Agriculture. Collected August 23, 1982. Local type. Plant not seen. Received as *Brassica napus annua*. Cultivated. Seed.

502304. AR-256. Soviet Union. Stavropol. Collected September 07, 1982. Donated by the Minister of Agriculture of the Samarkand Region. Cultivar. Seed.

502305. *Brassica rapa* L. (Brassicaceae) Turnip.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-116. Soviet Union. Elistaj, Kalmyk ARR. Beef Breeding Res. Inst., Ministry of Agriculture. Collected August 23, 1982. Local type. Plant not seen. Received as *Brassica campestris*. Cultivated. Seed.

502306. *Briza media* L. (Poaceae) Perennial quaking grass.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-23. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 19, 1982. Precipitation 400-800mm. Natural ecotype. Adapted to 1000m elevation. Wild. Seed.

502307. *Bromus arvensis* L. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502307-continued

AR-134. Soviet Union. Elista, Kalmyk ARR. Beef Breeding Res. Inst., Ministry of Agriculture . Collected August 23, 1982. Cultivated. Seed.

502308 TO 502310. *Bromus riparius* Rehm. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502308. AR-14. Soviet Union. Collected August 19, 1982. Recreated steppe vegetation site, Stavropol Botanical Garden, Stavropol. Four or five plants. Cultivated. Plants.

502309. AR-19. Soviet Union. Collected August 19, 1982. Recreated steppe vegetation site, Stavropol Botanical Garden, Stavropol. Narrow leaf form. Received as *Bromus riparius* f. *angustifolia*. Cultivated. Plants.

502310. AR-24. Soviet Union. Collected August 19, 1982. Stavropol Botanical Garden, Stavropol. Mix of two ecotypes, wide and narrow leaf forms. Seeds ecotype (strain) trial. Cultivated. Plants.

502311 TO 502312. *Bromus* sp. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502311. AR-196. Soviet Union. Collected August 28, 1982. Natural Steppe Ukrainian. Received as *Bromus inermis*. Wild. Seed.

502312. AR-203. Soviet Union. Collected August 28, 1982. Natural Steppe Ukrainian. Received as *Bromus inermis*. Wild. Seed.

502313 TO 502314. *Calamagrostis epigeios* (L.) Roth (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502313. AR-136. Soviet Union. Collected August 23, 1982. Low area, 15km N of Elista. Precipitation 200mm. Very few seeds. Wild. Seed.

502313 TO 502314-continued

502314. AR-173. Soviet Union. Collected August 24, 1982.
Roadway, 80km S of Elista. Small stand in low area. Wild.
Seed.

502315 TO 502319. *Citrullus lanatus* (Thunb.) Matsum. & Nakai
(Cucurbitaceae) Watermelon.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502315. AR-213. Soviet Union. Collected August 29, 1982. Market,
Kherson, Ukraine, USSR. Local type. Fruit small, green
outside, flesh dark red, very sweet, 25x20cm. Seeds brown.
Cultivated. Seed.

502316. AR-259. Soviet Union. Collected September 08, 1982.
Samarkand, USSR. Fruit 10 inches, green, not tasty. Seeds
large, white. Cultivated. Seed.

502317. AR-264. Soviet Union. Collected September 08, 1982.
Samarkand, Uzbek, USSR. Fruit palatable. Wild. Seed.

502318. AR-273. Samarkandskji. Soviet Union. Collected September
08, 1982. Samarkand, USSR. Local type. Cultivated. Seed.

502319. AR-283. Soviet Union. Collected September 10, 1982.
South of Kattakurgand, 10km and 50km W of Samarkand.
Fruit 25cm long. Rind dark green. well-adapted to this
dry area. Local name Black beauty. Cultivated. Seed.

502320. *Coriandrum cf. sativum* L. (Apiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-235. Soviet Union. Collected September 05, 1982.
Market, Samarkand, Uzbek, USSR. Plants leafy, used in
soup. Cultivated. Seed.

502321 TO 502325. *Coronilla varia* L. (Fabaceae) Crownvetch.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;

502321 TO 502325-continued

Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502321. AR-6. Soviet Union. Collected August 19, 1982. Native vegetation plot, Stavropol Botanical Garden, Stavropol. Nodules large, abundant, pink. Nodule sample. Wild. Seed.
502322. AR-36. Soviet Union. Collected August 20, 1982. Virgin steppe, 20km west of Stavropol. Late in season. Few seeds. Nodule sample. Wild. Seed.
502323. AR-153. Soviet Union. Collected August 24, 1982. Shelter belt, 250km north of Elista, Kalmyk SSR. Precipitation 250mm. Plants grazed. Few seeds. Nodules large, pink, abundant. Wild. Seed.
502324. AR-158. Soviet Union. Collected August 24, 1982. State Farm, 250km N of Elista, Kalmyk SSR. Precipitation 250mm. Plants 0.5 to 1.0m tall. Seed production good. Wild. Seed.
502325. AR-209. Soviet Union. Collected August 28, 1982. Steppe. Askania-Nova Preserve, Ukraine, USSR. Precipitation 386mm. Plants 1 to 1.5m tall, dark green. Flowers not seen. Seeds almost all shattered. Nodules large, pink, abundant. Nodule sample. Wild. Seed.

502326 TO 502327. Crataegus sp. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502326. AR-76. Soviet Union. Collected August 21, 1982. Game preserve, 20km south of Stavropol. 800m. Plants 4m tall. Potential browse species. Wild. Seed.
502327. AR-106. Soviet Union. Collected August 21, 1982. Boulevards, Stavropol, USSR. Tree, well-formed, 10m tall. Ornamental. Wild. Seed.

502328 TO 502330. Cucumis melo L. (Cucurbitaceae) Melon.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502328 TO 502330-continued

502328. AR-194. Soviet Union. Collected August 25, 1982. State farm, near Elista, Kalmyk, USSR. Fruit 25cm long, 15cm wide, green. Looks like casaba or cranshaw. Tastes very sweet. Cultivated. Seed.

502329. AR-212. Soviet Union. Collected August 29, 1982. Farmer's market, Kherson, Ukraine, USSR. Fruit 15cm wide, smooth, yellow rind. Flesh white. Seeds white. Similar to cantelope. Cultivated. Seed.

502330. AR-247. Soviet Union. Collected September 06, 1982. Collective farm, 200km SW OF Elista, Kalmyk, USSR. Similar to cantelope. Tastes excellent. Cultivated. Seed.

502331. *Cucumis sativus* L. (Cucurbitaceae) Cucumber.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-236. Soviet Union. Collected September 05, 1982. Farmer's market, Samarkand, Uzbek, USSR. Cultivated. Seed.

502332. *Cydonia* sp. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-232. Soviet Union. Uzbek, USSR. Research Institute, Tashkent. Collected September 03, 1982. Tree 3-4m tall. Fruit 5-10cm diameter, stored for winter use. Seeds from four trees. Cultivated. Seed.

502333 TO 502336. *Cynodon dactylon* (L.) Pers. (Poaceae) Bermudagrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502333. AR-229. Soviet Union. Collected September 03, 1982. Grounds, All Union Institute, Tashkent. Plants 0.3m tall, turf type. Cultivated. Seed.

502333 TO 502336-continued

502334. AR-230. Soviet Union. Collected September 03, 1982. Grounds, Chatkal Reserve Headquarters. Plants 0.3m tall, turf type. Wild. Seed.
502335. AR-246. Soviet Union. Collected September 06, 1982. Waste area, Samarkand. Stand dense. Plants 20cm tall, turf type. Wild. Seed.
502336. AR-262. Soviet Union. Collected September 08, 1982. West, 75km of Samarkand, 15km S of Kattakargan, Uzbek, USSR. Stand dense on overgrazed area. Plants 20cm tall, turf type. Wild. Seed.

502337 TO 502346. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502337. AR-35. Soviet Union. Collected August 20, 1982. Virgin hillside, 20km west of Stavropol. Few heads, mostly vegetative regrowth. Wild. Seed.
502338. AR-270. Soviet Union. Collected September 08, 1982. Reserve, steep hillside, 50km S of Samarkand, Uzbek, USSR. 70m. Possibly drought tolerant. Wild. Seed.
502339. AR-406. Soviet Union. Leningrad. VIR. VIR 27878. Asta, USSR. Seed.
502340. AR-407. Soviet Union. Leningrad. VIR. VIR 29781. Estonian SSR. Seed.
502341. AR-408. Soviet Union. Leningrad. VIR. VIR 33699. Krasnodarskaja. Seed.
502342. AR-409. Soviet Union. Leningrad. VIR. VIR 35262. Dedinovskaja. Seed.
502343. AR-410. Soviet Union. Leningrad. VIR. VIR 37179. Kievskaja, Rauniaya, USSR. Seed.
502344. AR-411. Soviet Union. Leningrad. VIR. VIR 38022. Dyegutenskaja. Seed.
502345. AR-412. Soviet Union. Leningrad. VIR. VIR 38024. Cernigovskaja, USSR. Seed.
502346. AR-413. Soviet Union. Leningrad. VIR. VIR 38647.

502337 TO 502346-continued
Drogobycanka, USSR. Seed.

502347 TO 502348. *Daucus carota* L. (Apiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502347. AP-254. Soviet Union. Collected September 07, 1982. Samarkand, Uzbek, USSR. Donated by Minister of Agriculture. Local type. Root red-fleshed. Cultivated. Seed.

502348. AR-255. Soviet Union. Collected September 07, 1982. Samarkand, Uzbek, USSR. Donated by Minister of Agriculture. Local type. Root yellow-fleshed. Cultivated. Seed.

502349. *Deschampsia cespitosa* (L.) Beauv. (Poaceae) Tufted hairgrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-231. Soviet Union. Collected September 03, 1982. Tashkent. From herbarium specimen, Chatkal Reserve Headquarters. Wild. Seed.

502350. *Echium russicum* J. F. Gmel. (Boraginaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-7. Soviet Union. Collected August 19, 1982. Native area, Stavropol Botanical Garden. Plants ornamental. Flowers reddish. Wild. Seed.

502351. *Elytrigia intermedia* (Host) Nevski (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant

502351-continued

Exploration to USSR, 1982.
Received November 1985.

AR-133. Soviet Union. Collected August 23, 1982. Beef Breeding Institute, Elista, Kalmyk ARR. Previous name *Elymus hispidus*. Received as *Elytrigia intermedia*. Cultivated. Seed.

502352 TO 502355. *Elymus sibiricus* L. (Poaceae) Wildrye.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502352. AR-402. Soviet Union. Leningrad. VIR. VIR 27304. Collected 1976. Krasnoyarsk Region. Seed.

502353. AR-403. Soviet Union. Leningrad. VIR. VIR 29450. Collected 1977. Seed.

502354. AR-404. Soviet Union. Leningrad. VIR. VIR 35226. Collected 1979. Seed.

502355. AR-405. Soviet Union. Leningrad. VIR. VIR 39237. Collected 1978. Kazakh SSR. Seed.

502356 TO 502357. *Elymus* sp. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502356. AR-87. Stavropol. Stavropol Botanic Garden. Collected August 21, 1982. Donated by Tamofeev. Cultivated. Seed.

502357. AR-267. Soviet Union. Collected September 08, 1982. Protected area of severely overgrazed hillside. Plants vigorous, 1-1.5m tall. Leaves broad. Wild. Seed.

502358 TO 502359. *Elytrigia elongata* (Host) Nevski (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502358 TO 502359-continued

502358. AR-94. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Southern Moldavia. Donated by Tamofeev. Wild. Seed.

502359. AR-102. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Crimea. Donated by Tamofeev. Wild. Seed.

502360 TO 502361. *Elytrigia repens* (L.) Nevski (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502360. AR-174. Soviet Union. Collected August 24, 1982. Roadway, 80km S of Elista. Similar to *Agropyron elongatum*. Plants bunch type, 1.5m tall. Spikelets distinct. Received as *Elytria repens*. Wild. Seed.

502361. AR-200. Soviet Union. Collected August 28, 1982. Isolated stand, natural steppe. Wild. Seed.

502362 TO 502363. *Eragrostis minor* Host (Poaceae) Little lovegrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502362. AR-125. Soviet Union. Collected August 23, 1982. Research site, 30km west of Kalmykia. Plants growing with a *A. desertorum* and related species. Wild. Seed.

502363. AR-180. Soviet Union. Collected August 24, 1983. Collective farm, saline site, 225km SW of Elista. Wild. Seed.

502364. *Eremopyrum triticeum* (Gaertn.) Nevski (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-146. Soviet Union. Collected August 24, 1982.

502364-continued

Northwest, 250km of Elista. Plants short, 10 inches high.
Seeds shatter. Wild. Seed.

502365. *Euonymus europaea* L. (Celastraceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-75. Soviet Union. Collected August 21, 1982. Game
preserve, 20km south of Stavropol. 800m. Plants 3m tall.
Could be used as ornamental. Wild. Seed.

502366. *Furotia ceratoides* (L) C. A. Mey (Chenopodiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-112. Soviet Union. Kalmyk ARR. Beef Breeding Research
Institute, Elista. Collected August 23, 1982. Donated by
Ministry of Agriculture. Used for sheep pasture on semi-
arid rangelands. Local name 'Winter fat'. Cultivated.
Seed.

502367 TO 502373. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502367. AR-135. Soviet Union. Collected August 23, 1982. Low
area, 15km north of Elista. Growing with *A. repens*.
Received as *Festuca orientalis*. Wild. Seed.

502368. AR-414. Soviet Union. Leningrad. VIR. VIR 29487.
Zapaduaja. Seed.

502369. AR-415. Soviet Union. Leningrad. VIR. VIR 35625.
Krasusdarskaja, USSR. Seed.

502370. AR-416. Soviet Union. Leningrad. VIR. VIR 41042.
Pridueprovskaja, USSR. Seed.

502367 TO 502373-continued

502371. AR-417. Soviet Union. Leningrad. VIP. VIR 27350.
Collected 1978. CCP. Seed.

502372. AR-424. Soviet Union. Leningrad. VIR. Collected 1981.
Zapaduaja. Seed.

502373. AR-425. Soviet Union. Leningrad. VIR. Zapaduaja. Seed.

502374 TO 502376. *Festuca pratensis* Huds. (Poaceae) Meadow fescue.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502374. AR-22. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 19, 1982. Best of trial plants.
Cultivated. Seed.

502375. AR-105. Soviet Union. Collected August 21, 1982. High
steppe grassland, calcareous soil, neutral pH, 20km S of
Stavropol. Wild. Seed.

502376. AR-245. Soviet Union. Collected September 06, 1982.
Waste area, city limits of Samarkand. Four or five plants.
Wild. Seed.

502377 TO 502379. *Festuca* sp. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502377. AR-204. Soviet Union. Collected August 28, 1982. Natural
Ukrainian Steppe. Received as *Poa angustifolia*. Wild. Seed.

502378. AR-244. Soviet Union. Collected September 06, 1982.
Waste area, Samarkand city limits. Plants 75cm tall.
Three or four plants. Wild. Seed.

502379. AR-418. Soviet Union. Leningrad. VIP. VIR 34675.
Collected 1978. CCP. Wild. Seed.

502380 TO 502383. *Festuca valesiaca* Schleich. ex Gaud. (Poaceae).

From United States. Donated by Pumbaugh, M.D.; Crops Research

502380 TO 502383-continued

Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502380. AR-8. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 19, 1982. Five plants. Wild.
Seed.

502381. AR-43. Soviet Union. Collected August 20, 1982.
Hillside, 30km from Stavropol. Sparse stands. Wild. Seed.

502382. AR-50. Soviet Union. Collected August 21, 1982. High
steppe grassland, calcareous soil, neutral pH, 20km S of
Stavropol. Few seeds available. Wild. Seed.

502383. AR-69. Soviet Union. Collected August 21, 1982. High
steppe grassland, calcareous soil, neutral pH, 20km S of
Stavropol. Few seed available. Wild. Seed.

502384. *Genista tinctoria* L. (Fabaceae) Dyer's-greenweed.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-80. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 21, 1982. Donated by Tamofeev.
Originally from area near Stavropol. Cultivated. Seed.

502385. *Haloxylon aphyllum* (Minkw.) Iljin (Chenopodiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-117. Soviet Union. Elista, Kalmyk ARR. Beef Research
Inst., Ministry of Agriculture. Collected August 23, 1982.
Excellent feed for sheep. Used for soil stabilization on
sandy soil. Cultivated. Seed.

502386. *Helianthus annuus* L. (Asteraceae) Sunflower.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant

502386-continued

Exploration to USSR, 1982.
Received November 1985.

AR-154. Soviet Union. Collected August 24, 1982.
Communal farm, 250km N of Elista, Kalmyk ARR. Hungarian
cultivar. Plants tall. Cut for silage. Only a few seeds.
Cultivated. Seed.

502387. cf. *Hibiscus syriacus* L. (Malvaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-214. Soviet Union. Collected September 01, 1982. City
park, Tashkent, USSR. Shrub 3-4m tall. Flowers white.
Used as ornamental. Cultivated. Seed.

502388. *Kochia prostrata* (L.) Schrad. (Chenopodiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-113. Soviet Union. Elista, Kalmyk ARR. Beef Breeding
Res. Inst., Ministry of Agriculture. Collected August
23, 1982. Precipitation 200-250mm. Highly valued for
sheep pasture. Cultivated. Seed.

502389 TO 502390. *Koeleria cristata* (L.) Pers. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502389. AR-12. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected September 19, 1982. Originally from
native stands steppe region. Wild. Seed.

502390. AR-42. Soviet Union. Collected August 20, 1982.
Hillside, 30km west of Stavropol. Stands sparse. Wild.
Seed.

502391 TO 502395. *Koeleria gracilis* Pers. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502391. AR-128. Soviet Union. Collected August 23, 1982. Range research site, Kalmyk Institute, 30km W of Elista. Precipitation 200mm. Plants 0.3m tall. Leaves fine. Wild. Seed.
502392. AR-166. Soviet Union. Collected August 24, 1982. Highway, 50km north of Elista. Seven plants. Wild. Seed.
502393. AR-172. Soviet Union. Collected August 25, 1982. Roadway, 80km south of Elista. Plants largely shattered. Wild. Seed.
502394. AR-199. Soviet Union. Collected August 28, 1982. Natural steppe, Ukranian reserve. Wild. Seed.
502395. AR-201. Soviet Union. Collected August 28, 1982. Natural steppe. Wild. Seed.

502396. *Lathyrus* sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-155. Soviet Union. Collected August 24, 1982. Ravine, 250km N of Elista, Kalmyk ARR. Precipitation 250mm. Vine with purple red flowers. Seed set good. Plants not grazed. Wild. Seed.

502397. *Lathyrus sylvestris* L. (Fabaceae) Flat pea.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-27. Soviet Union. Collected August 20, 1982. Virgin steppe grassland, 20km W of Stavropol. SE aspect of hillside. 550m. Plants large, coarse. Leaflets large, 100mm x 40mm. Wild. Seed.

502398 TO 502400. *Lavatera* sp. (Malvaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502398. AR-28. Soviet Union. Collected August 20, 1982. Virgin land, 20km west of Stavropol. Plant 1.8m tall. Ornamental yellow flower on slender stalk. Received as *Lavatera thuringiaca*. Wild. Seed.

502399. AR-77. Soviet Union. Collected August 21, 1982. Reserve area, 20km south of Stavropol. Similar to hollyhock. Possible ornamental. Received as *Lavatera thuringiaca*. Wild. Seed.

502400. AR-145. Soviet Union. Collected August 24, 1982. Weedy area along highway, 35km north of Elista. Flowers purple. Possible ornamental. Received as *Lavatera thuringiaca*. Wild. Seed.

502401. *Lespedeza daurica* (Laxm.) Schindler (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-78. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Gift from Dr. Tamofeev. Originally from Vladivostok Botanical Garden. Cultivated. Seed.

502402. *Leymus racemosus* (Lam.) Tzvelev (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AP-129. Soviet Union. Collected August 23, 1982. Kalmyk Beef Breeding Research Institute, Elista, Kalmyk ARR. Received as *Elymus giganteus*. Cultivated. Seed.

502403 TO 502404. *Leymus ramosus* (Trin.) Tzvelev (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research

502403 TO 502404-continued

Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502403. AR-143. Soviet Union. Collected August 24, 1982.
Highway, 50km north of Elista. Institute, Alista Kalmyk
ARR. Received as *Elymus ramosus*. Wild. Seed.

502404. AR-181. Soviet Union. Collected August 24, 1982. Swamp,
225km SW of Elista. Stand large. Precipitation 400mm.
Received as *Elymus ramosus*. Wild. Seed.

502405. *Linum austriacum* L. (Linaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-210. Soviet Union. Collected August 28, 1982. Steppe,
Askania-Nova Preserve, Ukraine, USSR. Precipitation 386mm.
Plants never cut or plowed, 10cm tall. Maturity early.
Seeds set well. Plants senesced when collected. Wild.
Seed.

502406 TO 502410. *Linum hirsutum* L. (Linaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502406. AR-108. Soviet Union. Collected August 22, 1982. Arid
rangeland, 150km SW of Elista and NW of Stavropol.
Precipitation 200-250mm. Plants in small ravine, 0.75m
tall, branched. Seeds abundant. Wild. Seed.

502407. AR-122. Soviet Union. Collected August 23, 1982. Beef
Breeding Research Institute farm, 30km W of Elista.
Plants 0.7m tall, branched. Flowers blue. Seed production
high. Abundant on steppe lands. Cut once per year for hay.
Wild. Seed.

502408. AR-147. Soviet Union. Collected August 24, 1982.
Roadside, 25km north of Elista. Plants 0.7m tall,
branched. Flowers blue. Seed heads numerous. Wild. Seed.

502409. AR-186. Soviet Union. Collected August 25, 1982.

502406 TO 502410-continued

Roadside, 80km SW of Elista, Kalmyk ARR. 50m. Plants 1 m tall, branched. Wild. Seed.

502410. AR-192. Soviet Union. Collected August 25, 1982. West, 250km of Elista, Kalmyk ARR. Precipitation 400mm. Plants 20-25cm tall, upland type, branched. Seed set good. Mixed in *Elymus ramosus* dominated grassland. Wild. Seed.

502411. *Linum* sp. (Linaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-227. Soviet Union. Collected September 03, 1982. Southern slope, Chatkal Reserve near Parkent, 50km SE of Tashkent, Uzbek. Plants isolated, two. Wild. Seed.

502412 TO 502414. *Lolium perenne* L. (Poaceae) Perennial ryegrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502412. AR-49. Soviet Union. Collected August 21, 1982. High steppe grassland, calcareous soil, neutral pH, 20km S of Stavropol. 800m. Precipitation 600mm. Plants about 0.5m tall. Stand sparse. Wild. Seed.

502413. AR-242. Soviet Union. Collected September 06, 1982. Waste area, Samarkand, Uzbek, USSR. Five or six plants. Wild. Seed.

502414. AR-423. Soviet Union. Leningrad. VIP. VIR 27879. Seed.

502415 TO 502416. *Lotus caucasicus* Kupr. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502415. AR-20. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 19, 1982. Wild. Seed.

502415 TO 502416-continued

502416. AR-63. Soviet Union. Collected August 21, 1982. Native steppe, 20km S of Stavropol. 800m. Plants with mature seed only, possibly early maturing. Wild. Seed.

502417. Lotus sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-156. Soviet Union. Collected August 24, 1982. Roadside, 250km N of Elista, Kalmyk ARR. Precipitation 250mm. Plants low, similar to Lotus. Flowers yellow. Received as *Trigonella orthoceras*. Wild. Seed.

502418. Malus sp. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-281. Soviet Union. Collected September 08, 1982. Dry rangeland, 50km south of Samarkand, Uzbek, USSR. 1300m. Precipitation 380mm. Plants growing on north slope. Tree to 3m tall. Fruit abundant. Wild. Seed.

502419. *Medicago carstiensis* Wulf. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-83. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Originally from Gatersleben, Germany. Donated by Tamofeev. Cultivated. Seed.

502420. *Medicago* hybrid (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant

502420-continued

Exploration to USSR, 1982.
Received November 1985.

AR-207. Soviet Union. *Medicago romanica*/*Medicago sativa*.
Collected August 25, 1982. Askania-Nova Preserve,
Ukraine, USSR. One plant found, 25cm tall. Leaflets small.
Variegated green flowers. Nodule sample. Wild. Seed.

502421 TO 502423. *Medicago lupulina* L. (Fabaceae) Black medic.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502421. AR-3. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 19, 1982. Native vegetation plot.
Nodules abundant, large, pink. Nodule sample. Wild. Seed.

502422. AR-58. Soviet Union. South, 20km of Stavropol Botanical
Garden. 800m. Plants small, 15-20cm. Nodule sample. Wild.
Seed.

502423. AR-276. Soviet Union. Collected September 08, 1982. In
mountains, streamside, 50km S of Samarkand, Tien Segien.
1100m. Plants very small. Nodule sample. Wild. Seed.

502424 TO 502432. *Medicago sativa* L. (Fabaceae) Alfalfa.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502424. AR-118. Soviet Union. Elista, Kalmyk ARR. Beef Breeding
Res. Inst., Ministry of Agriculture . Collected August
23, 1982. Local type. Seeds dark. Cultivated. Seed.

502425. AR-119. Soviet Union. Collected August 23, 1982. Steppe,
15km N of Elista, Kalmyk ARR. Precipitation 250mm. Plant
diminutive. Leaves small. Flowers blue. Pods coiled.
Looks like *M. caerulea* but botanist said *M. sativa*. Used
for hay. Wild. Seed.

502426. AR-149. Soviet Union. Collected August 24, 1982.
Roadside, 25km N of Elista, Kalmyk ARR. Precipitation
250mm. Typical cultivated form. Appears like tetraploid.
Flowers blue. Nodule sample. Cultivated. Seed.

502424 TO 502432-continued

502427. AR-159. Soviet Union. Collected August 24, 1982. State Farm, 250km N of Elista, Kalmyk ARR. Precipitation 250mm. Typical cultivated form. Grown for seed after one cut of hay. Cultivated. Seed.
502428. AR-191. Soviet Union. Collected August 29, 1982. Collective Farm, 250km W of Elista, Kalmyk ARR. Precipitation 400mm. Local type. Two hay crops, one seed crop. Susceptible to black stem, resistant to alfalfa weevil. Cultivated. Seed.
502429. AR-218. Soviet Union. Collected September 03, 1982. Chatkal Reservation near Parkent, 50km SE of Tashkent, Uzbek, USSR. Plants 25-35cm tall. Leaves small. Flowers purple, almost no pods. Nodule sample. Wild. Seed.
502430. AR-221. Soviet Union. Collected September 03, 1982. Parkent, 50km SE of Tashkent, Uzbek, USSR. Land irrigated. Cultivated. Seed.
502431. AR-222. Tashkentskja 1. Soviet Union. Tashkent, Uzbek, USSR. Research Institute. Collected September 03, 1982. Local type. Cultivar. Seed.
502432. AR-223. Tashkentskja 1728. Soviet Union. Tashkent, Uzbek, USSR. Research Institute. Collected September 03, 1982. Local type. Cultivar. Seed.

502433 TO 502434. *Medicago sativa* subsp. *ambigua* (Trautv.) Tutin (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502433. AR-298. Soviet Union. Leningrad. VIR. VIR 38557. Collected October 25, 1982. Alma-Ata Region, Kazakh, SSR. Received as *Medicago trautvetteri*. Wild. Seed.
502434. AR-299. Soviet Union. Leningrad. VIR. VIR 36054. Collected October 25, 1982. Aktubansk Region, Kazakh, SSR. Received as *Medicago trautvetteri*. Wild. Seed.

502435 TO 502437. *Medicago sativa* subsp. *caerulea* (Lessing ex Ledebour) Schmalhausen (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63;

502435 TO 502437-continued

Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502435. AR-292. Soviet Union. Leningrad. VIR. VIR 36105.
Collected October 25, 1982. Uralsk Region, Kazakh, SSR.
Received as *Medicago caerulea*. Wild. Seed.

502436. AR-293. Soviet Union. Leningrad. VIR. VIR 36120.
Collected October 25, 1982. Gurien Region, Kazakh, SSR.
Received as *Medicago caerulea*. Wild. Seed.

502437. AR-297. Soviet Union. Leningrad. VIR. VIR 12820.
Collected October 25, 1982. Daghestan ASSR. Received as
Medicago caerulea. Wild. Seed.

502438 TO 502453. *Medicago sativa* subsp. *falcata* (L.) Arcang.
(Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502438. AR-17. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 19, 1982. Nodules small, scarce.
Nodule sample. Received as *Medicago romanica*. Wild. Seed.

502439. AR-26. Soviet Union. Collected August 20, 1982. Virgin
steppe grasslands, SE hillside, 20km W of Stavropol. 550m.
Plants 25-50cm tall. Few seeds produced. Nodules small,
pink, difficult to find. Received as *Medicago romanica*.
Wild. Seed.

502440. AR-38. Soviet Union. Collected August 20, 1982. Virgin
steppe, W hillside, 30km W of Stavropol. 500m. Plants
0.5m tall, spreading roots. Seed set good. Nodules
difficult to find. Received as *Medicago romanica*. Wild.
Seed.

502441. AR-140. Soviet Union. Collected August 23, 1982. Steppe,
Research Farm, 30km W of Elista, Kalmyk, ARR. 550m.
Precipitation 250mm. Plants 0.5m tall. Leaves small.
Flowers small. Pods short, straight. No nodules found,
very dry soil. Received as *Medicago falcata*. Wild. Seed.

502442. AR-150. Soviet Union. Collected August 24, 1982. North,
200km of Elista, Kalmyk ARR. Precipitation 250mm. Plants
to 1 m tall. Flowers yellow. Pods falcate, immature.
Nodule sample. Received as *Medicago falcata*. Wild. Seed.

502438 TO 502453-continued

502443. AR-160. Soviet Union. Collected August 24, 1982. Steppe, State Farm, 250km N of Elista, Kalmyk, AER. Precipitation 250mm. Plants to 1 m tall. Flowers yellow. Pods falcate. Received as *Medicago falcata*. Wild. Seed.
502444. AR-208. Soviet Union. Collected August 28, 1982. Steppe, grassland, Askania-nova Preserve, Ukraine, USSR. Precipitation 386mm. Plants to 1 m tall. Leaflets small. Flowers yellow. Pods falcate. Nodule sample. Received *Medicago romanica*. Wild. Seed.
502445. AR-284. Soviet Union. Leningrad. VIR. VIR 39513. Collected October 25, 1982. Karaganda Region, Kazakh, SSR. Received as *Medicago difalcata*. Wild. Seed.
502446. AR-285. Soviet Union. Leningrad. VIR. VIR 41600. Collected October 25, 1982. Roston Region, USSR. Received as *Medicago difalcata*. Wild. Seed.
502447. AR-288. Soviet Union. Leningrad. VIR. VIR 36919. Collected October 25, 1982. Novgorod Region, USSR. Received as *Medicago borealis*. Wild. Seed.
502448. AR-289. Soviet Union. Leningrad. VIR. VIR 28501. Collected October 25, 1982. Novgorod Region, USSR. Received as *Medicago borealis*. Wild. Seed.
502449. AR-290. Severianka. Soviet Union. Leningrad. VIR. VIR 27714. Collected October 25, 1982. USSR. Received as *Medicago borealis*. Cultivar. Seed.
502450. AR-291. Dedinovskaja. Soviet Union. Leningrad. VIR. VIR 27063. Collected October 25, 1982. USSR. Received as *Medicago borealis*. Cultivar. Seed.
502451. AR-294. Soviet Union. Leningrad. VIR. VIR 39954. Collected October 25, 1982. Altai Territory, USSR. Received as *Medicago falcata*. Wild. Seed.
502452. AR-295. Soviet Union. Leningrad. VIR. VIR 36755. Collected October 25, 1982. Aktu Binsk Region, Kazakh, SSR. Received as *Medicago falcata*. Wild. Seed.
502453. AR-296. Paulovskaja. Soviet Union. Leningrad. VIR. VIR 33298. Collected October 25, 1982. USSR. Received as *Medicago falcata*. Cultivar. Seed.

502454 TO 502491. *Medicago sativa* L. subsp. *sativa* (Fabaceae).

From United States. Donated by Eumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63;

502454 TO 502491-continued

Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502454. AR-303. Soviet Union. Leningrad. VIR. VIR 38520.
Collected October 25, 1982. Taldy-Kurgan Region, Kazakh,
SSR. Received as *Medicago sativa* subsp. *transoxana*. Wild.
Seed.
502455. AR-304. Soviet Union. Leningrad. VIR. VIR 34633.
Collected October 25, 1982. Uzbek, SSR. Received as
Medicago sativa subsp. *transoxana*. Wild. Seed.
502456. AR-305. Vahsskaja. Soviet Union. Leningrad. VIR. VIR
35630. Collected October 25, 1982. USSR. Cultivar. Seed.
502457. AR-306. Soviet Union. Leningrad. VIR. VIR 34624.
Collected October 25, 1982. Kirghiz, SSR. Received as
Medicago sativa subsp. *transoxana*. Wild. Seed.
502458. AR-307. Soviet Union. Leningrad. VIR. VIR 38527.
Collected October 25, 1982. Dzhambul Region, Kazakh, SSR.
Received as *Medicago sativa* subsp. *transoxana*. Wild. Seed.
502459. AR-308. Soviet Union. Leningrad. VIR. VIR 38518.
Collected October 25, 1982. Taldy-Kurgan Region, Kazakh,
SSR. Received as *Medicago sativa* subsp. *transoxana*. Wild.
Seed.
502460. AR-309. Soviet Union. Leningrad. VIR. VIR 38533.
Collected October 25, 1982. Tashkent Region, Uzbek, SSR.
Received as *Medicago sativa* subsp. *transoxana*. Wild. Seed.
502461. AR-310. Soviet Union. Leningrad. VIR. VIR 38534.
Collected October 25, 1982. Kirghiz, SSR. Received as
Medicago sativa subsp. *transoxana*. Wild. Seed.
502462. AR-311. Soviet Union. Leningrad. VIR. VIR 1300.
Collected October 25, 1982. Irkutsk Region, USSR. Local
type. Cultivated. Seed.
502463. AR-312. Soviet Union. Leningrad. VIR. VIR 8950.
Collected October 25, 1982. Tashauz Region, Turkmen, SSR.
Local type. Cultivated. Seed.
502464. AR-313. Soviet Union. Leningrad. VIR. VIR 34639.
Collected October 25, 1982. Georgian, SSR. Received as
Medicago sativa subsp. *caucasica*. Wild. Seed.
502465. AR-314. Soviet Union. Leningrad. VIR. VIR 5068.
Collected October 25, 1982. Azerbaijan, SSR. Received as
Medicago sativa subsp. *caucasica*. Wild. Seed.

502454 TO 502491-continued

502466. AR-315. Nahilevanskaja (Mestnaja). Soviet Union. Leningrad. VIR. VIR 21754. Collected October 25, 1982. USSR. Received as *Medicago sativa* subsp. *caucasica*. Cultivar. Seed.
502467. AR-316. Soviet Union. Leningrad. VIR. VIR 4840. Collected October 25, 1982. Azerbaijan, SSR. Received as *Medicago sativa* subsp. *caucasica*. Wild. Seed.
502468. AR-317. Iolotanskaja 1763. Soviet Union. Leningrad. VIR. VIR 6393. Collected October 25, 1982. USSR. Cultivar. Seed.
502469. AR-318. Soviet Union. Leningrad. VIR. VIR 38523. Collected October 25, 1982. Alma-Ata Region, Kazakh, SSR. Received as *Medicago sativa* subsp. *transoxana*. Wild. Seed.
502470. AR-319. Soviet Union. Leningrad. VIR. VIR 37221. Collected October 25, 1982. Dzhambul Region, Kazakh, SSR. Received as *Medicago sativa* subsp. *transoxana*. Wild. Seed.
502471. AR-320. Soviet Union. Leningrad. VIR. VIR 7256. Collected October 25, 1982. Horezm Region, Uzbek, SSR. Local type. Cultivated. Seed.
502472. AR-321. Soviet Union. Leningrad. VIR. VIR 19929. Collected October 25, 1982. Armenian, SSR. Local type. Cultivated. Seed.
502473. AR-322. Soviet Union. Leningrad. VIR. VIR 3235. Collected October 25, 1982. Horezm Region, Uzbek, SSR. Local type. Cultivated. Seed.
502474. AR-323. Soviet Union. Leningrad. VIR. VIR 19915. Collected October 25, 1982. Armenian, SSR. Received as *Medicago sativa* subsp. *caucasica*. Wild. Seed.
502475. AR-324. Tashkentskaja 1. Soviet Union. Leningrad. VIR. VIR 34493. Collected October 25, 1982. USSR. Cultivar. Seed.
502476. AR-325. Tokmakskaja Mestnaja. Soviet Union. Leningrad. VIR. VIR 4136. Collected October 25, 1982. USSR. Cultivar. Seed.
502477. AR-326. Soviet Union. Leningrad. VIR. VIR 8947. Collected October 25, 1982. Chemkent Region, Kazakh, SSR. Local type. Cultivated. Seed.
502478. AR-327. Tashkentskaja 3192. Soviet Union. Leningrad. VIR. VIR 19921. Collected October 25, 1982. USSR. Cultivar. Seed.

502454 TO 502491-continued

502479. AR-328. Soviet Union. Leningrad. VIR. VIR 3225.
Collected October 25, 1982. Armenian, SSR. Local type.
Received as *Medicago sativa* subsp. *transoxana*. Cultivated.
Seed.
502480. AR-329. Soviet Union. Leningrad. VIR. VIR 3262.
Collected October 25, 1982. Horezm Region, Uzbek, SSR.
Local type. Cultivated. Seed.
502481. AR-330. Soviet Union. Leningrad. VIR. VIR 24712.
Collected October 25, 1982. Dzhaghestan, ASSR. Received as
Medicago sativa subsp. *caucasica*. Wild. Seed.
502482. AR-331. Irmsskaja. Soviet Union. Leningrad. VIR. VIR
29125. Collected October 25, 1982. USSR. Cultivar. Seed.
502483. AR-332. Krasnovodopadskaja 8. Soviet Union. Leningrad.
VIR. VIR 35643. Collected October 25, 1982. USSR.
Cultivar. Seed.
502484. AR-333. Soviet Union. Leningrad. VIR. VIR 8921.
Collected October 25, 1982. Chemkent Region, Kazakh, SSR.
Local type. Cultivated. Seed.
502485. AR-334. Soviet Union. Leningrad. VIR. VIR 16677.
Collected October 25, 1982. Georgian, SSR. Received as
Medicago sativa subsp. *caucasica*. Wild. Seed.
502486. AR-335. Vahsskaja 233. Soviet Union. Leningrad. VIR. VIR
35389. Collected October 25, 1982. USSR. Cultivar. Seed.
502487. AR-336. Soviet Union. Leningrad. VIR. VIR 4643.
Collected October 25, 1982. Azerbaijan, SSR. Received as
Medicago sativa subsp. *caucasica*. Wild. Seed.
502488. AR-337. Andizanskaja 1. Soviet Union. Leningrad. VIR.
VIR 36107. Collected October 25, 1982. USSR. Cultivar.
Seed.
502489. AR-338. Uzgenskaja Mestnaja. Soviet Union. Leningrad.
VIR. VIR 8896. Collected October 25, 1982. USSR. Received
as *Medicago sativa* subsp. *transoxana*. Cultivar. Seed.
502490. AR-339. Milintinskaja 1774. Soviet Union. Leningrad. VIR.
VIR 26596. Collected October 25, 1982. USSR. Cultivar.
Seed.
502491. AR-340. Hivinskaja Mestnaja. Soviet Union. Leningrad.
VIR. VIR 21694. Collected October 25, 1982. USSR.
Cultivar. Seed.

502492 TO 502493. *Medicago sativa* subsp. *x hemicycla* (Grossheim) C.R. Gunn (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502492. AR-286. Soviet Union. Leningrad. VIR. VIR 29007. Collected October 25, 1982. Dagestan, ASSR. Received as *Medicago hemicycla*. Wild. Seed.

502493. AR-287. Soviet Union. Leningrad. VIR. VIR 30088. Collected October 25, 1982. Armenian, SSR. Received as *Medicago hemicycla*. Wild. Seed.

502494 TO 502544. *Medicago sativa* subsp. *x varia* (Martyn) Arc. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502494. AR-300. Soviet Union. Leningrad. VIR. VIR 37219. Collected October 25, 1982. Dzhambul Region, Kazakh, SSR. Received as *Medicago tianschanica*. Wild. Seed.

502495. AR-301. Soviet Union. Leningrad. VIR. VIR 34629. Collected October 25, 1982. Chemkent Region, Kazakh, SSR. Received as *Medicago tianschanica*. Wild. Seed.

502496. AR-302. Soviet Union. Leningrad. VIR. VIR 38818. Collected October 25, 1982. Tajik, SSR. Received as *Medicago tianschanica*. Wild. Seed.

502497. AR-341. Sretenskaja 77. Soviet Union. Leningrad. VIR. VIR 31789. Collected October 25, 1982. USSR. Cultivar. Seed.

502498. AR-342. Prestraja 57. Soviet Union. Leningrad. VIR. VIR 31885. Collected October 25, 1982. USSR. Cultivar. Seed.

502499. AR-343. Zabajkalka. Soviet Union. Leningrad. VIR. VIR 31790. Collected October 25, 1982. USSR. Cultivar. Seed.

502500. AR-344. Kemlianskaja. Soviet Union. Leningrad. VIR. VIR 30002. Collected October 25, 1982. USSR. Cultivar. Seed.

502501. AR-345. Urzumskaja Mestnaja. Soviet Union. Leningrad. VIR. VIR 32095. Collected October 25, 1982. USSR.

502494 TO 502544-continued
Cultivar. Seed.

502502. AR-346. Bijskaja 3. Soviet Union. Leningrad. VIR. VIR 32515. Collected October 25, 1982. USSR. Cultivar. Seed.
502503. AR-347. Marusinskaja 425. Soviet Union. Leningrad. VIR. VIR 9766. Collected October 25, 1982. USSR. Cultivar. Seed.
502504. AR-348. Mercinskaja 6. Soviet Union. Leningrad. VIR. VIR 29121. Collected October 25, 1982. USSR. Cultivar. Seed.
502505. AR-349. Marusinskaja 81. Soviet Union. Leningrad. VIR. VIR 9765. Collected October 25, 1982. USSR. Cultivar. Seed.
502506. AR-350. Karabalykskaja 18. Soviet Union. Leningrad. VIR. VIR 30102. Collected October 25, 1982. USSR. Cultivar. Seed.
502507. AR-351. Omskaja 192. Soviet Union. Leningrad. VIR. VIR 29660. Collected October 25, 1982. USSR. Cultivar. Seed.
502508. AR-352. Hakasskaja. Soviet Union. Leningrad. VIR. VIR 29658. Collected October 25, 1982. USSR. Cultivar. Seed.
502509. AR-354. Veselopodolinskaja 66. Soviet Union. Leningrad. VIR. VIR 38280. Collected October 25, 1982. USSR. Cultivar. Seed.
502510. AR-355. Tolunskaja Gibrednaja 11. Soviet Union. Leningrad. VIR. VIR 38384. Collected October 25, 1982. USSR. Cultivar. Seed.
502511. AR-356. Abakanskaja 1. Soviet Union. Leningrad. VIR. VIR 29657. Collected October 25, 1982. USSR. Cultivar. Seed.
502512. AR-357. Taeznaja. Soviet Union. Leningrad. VIR. VIR 35377. Collected October 25, 1982. USSR. Cultivar. Seed.
502513. AR-358. Bolsevziaskaja Ulucsennaja. Soviet Union. Leningrad. VIR. VIR 28638. Collected October 25, 1982. USSR. Cultivar. Seed.
502514. AR-359. Zarnica. Soviet Union. Leningrad. VIR. VIR 41613. Collected October 25, 1982. USSR. Cultivar. Seed.
502515. AR-360. Cernogolovaja. Soviet Union. Leningrad. VIR. VIR 29656. Collected October 25, 1982. USSR. Cultivar. Seed.
502516. AR-361. Zeltogibridnija 99. Soviet Union. Leningrad. VIR. VIR 38385. Collected October 25, 1982. USSR. Cultivar. Seed.

502494 TO 502544-continued

502517. AR-362. Liulineckaja. Soviet Union. Leningrad. VIR. VIR 9996. Collected October 26, 1982. USSR. Cultivar. Seed.
502518. AR-363. Cisminskaja 130. Soviet Union. Leningrad. VIR. VIR 28220. Collected October 26, 1982. USSR. Cultivar. Seed.
502519. AR-364. Brodskaja Mestnaja. Soviet Union. Leningrad. VIR. VIR 26787. Collected October 26, 1982. USSR. Cultivar. Seed.
502520. AR-365. Zajkevica. Soviet Union. Leningrad. VIR. VIR 24336. Collected October 26, 1982. USSR. Cultivar. Seed.
502521. AR-366. Slavianskaja Mestanaja. Soviet Union. Leningrad. VIR. VIR 22310. Collected October 26, 1982. USSR. Cultivar. Seed.
502522. AR-367. Manyckskaja. Soviet Union. Leningrad. VIR. VIR 23599. Collected October 26, 1982. USSR. Cultivar. Seed.
502523. AR-368. Barnaul Skajal 6. Soviet Union. Leningrad. VIR. VIR 26583. Collected October 26, 1982. USSR. Cultivar. Seed.
502524. AR-369. Belorusskaja. Soviet Union. Leningrad. VIR. VIR 38268. Collected October 26, 1982. USSR. Cultivar. Seed.
502525. AR-370. Soviet Union. Leningrad. VIR. VIR 1924. Collected October 26, 1982. Cheljabinsk Region, USSR. Local type. Cultivated. Seed.
502526. AR-371. Soviet Union. Leningrad. VIR. VIR 9740. Collected October 26, 1982. Orel Region, USSR. Local type. Cultivated. Seed.
502527. AR-372. Soviet Union. Leningrad. VIR. VIR 1783. Collected October 26, 1982. Altai Territory, USSR. Local type. Cultivated. Seed.
502528. AR-373. Soviet Union. Leningrad. VIR. VIR 15714. Collected October 26, 1982. Altai Territory, USSR. Local type. Cultivated. Seed.
502529. AR-374. Krasnokutskaja 3125. Soviet Union. Leningrad. VIR. VIR 22571. Collected October 26, 1982. USSR. Local type. Cultivar. Seed.
502530. AR-375. Kamalinskaja 930. Soviet Union. Leningrad. VIR. VIR 23426. Collected October 26, 1982. USSR. Cultivar. Seed.

502494 TO 502544-continued

502531. AR-376. Kamalinskaja 530. Soviet Union. Leningrad. VIR. VIR 23425. Collected October 26, 1982. USSR. Cultivar. Seed.
502532. AR-377. Sibiriacka 232. Soviet Union. Leningrad. VIR. VIR 38276. Collected October 26, 1982. USSR. Cultivar. Seed.
502533. AR-378. Paduga. Soviet Union. Leningrad. VIR. VIR 40690. Collected October 26, 1982. USSR. Cultivar. Seed.
502534. AR-379. Gibridnaja. Soviet Union. Leningrad. VIR. VIR 1303. Collected October 26, 1982. USSR. Cultivar. Seed.
502535. AR-380. Krasnokutskaja Pestrogibridnaya. Soviet Union. Leningrad. VIR. VIR 38269. Collected October 26, 1982. USSR. Cultivar. Seed.
502536. AR-381. Kudlundinskaja Mestaja. Soviet Union. Leningrad. VIR. VIR 38399. Collected October 26, 1982. USSR. Cultivar. Seed.
502537. AR-382. Nadezda. Soviet Union. Leningrad. VIR. VIR 40812. Collected October 26, 1982. USSR. Cultivar. Seed.
502538. AR-383. Poltavskaja Gebridnaja. Soviet Union. Leningrad. VIR. VIR 38267. Collected October 26, 1982. USSR. Cultivar. Seed.
502539. AR-384. Kokse. Soviet Union. Leningrad. VIR. VIR 37611. Collected October 26, 1982. USSR. Cultivar. Seed.
502540. AR-385. Juzanka. Soviet Union. Leningrad. VIR. VIR 39575. Collected October 26, 1982. USSR. Cultivar. Seed.
502541. AR-386. Doneckaja 12. Soviet Union. Leningrad. VIR. VIR 39951. Collected October 26, 1982. USSR. Cultivar. Seed.
502542. AR-387. Hersonskaja 9. Soviet Union. Leningrad. VIR. VIR 39948. Collected October 26, 1982. USSR. Cultivar. Seed.
502543. AR-388. Nerlinskaja 46. Soviet Union. Leningrad. VIR. VIR 29122. Collected October 26, 1982. USSR. Cultivar. Seed.
502544. AR-389. Flora. Soviet Union. Leningrad. VIR. VIR 29661. Collected October 26, 1982. USSR. Cultivar. Seed.

502545. *Melica transsilvanica* Schur (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research

502545-continued

Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-70. Soviet Union. Collected August 21, 1982. High
steppe grassland, calcareous soil, neutral pH, 20km S of
Stavropol. 800m. Precipitation 600mm. Large stand. Plants
rhizomatous. Seeds few. Wild. Seed.

502546 TO 502547. *Melilotus alba* Medik. (Fabaceae) White sweetclover.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502546. AR-152. Soviet Union. Collected August 24, 1982. Dry
roadside, 250km N of Elista, Kalmyk ARR. Precipitation
250mm. Plants 1-1.5m tall. Flowers very small, in bloom.
Nodule sample. Wild. Seed.

502547. AR-161. Soviet Union. Collected August 24, 1982.
Roadside, State Farm, 250km N of Elista, Kalmyk ARR.
Precipitation 250mm. Plants 1-2m tall. Flowers small,
white. Growing with *Melilotus officinalis*. Wild. Seed.

502548 TO 502551. *Melilotus officinalis* (L.) Pallas (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502548. AR-148. Soviet Union. Collected August 24, 1982.
Roadside, 25km N of Elista, Kalmyk ARR. Precipitation
250mm. Plants 1-1.5m tall. Stems diseased. Flowers 75%
stripped. Nodules abundant, pink. Nodule sample. Wild.
Seed.

502549. AR-151. Soviet Union. Collected August 24, 1982.
Roadside, 225km N of Elista, Kalmyk ARR. Precipitation
250mm. Plants 1-2m tall. Stems black. Seed set poor.
Nodules abundant. Nodule sample. Wild. Seed.

502550. AR-157. Soviet Union. Collected August 24, 1982.
Roadside, 250km N of Elista, Kalmyk ARR. Plants 1-2m tall.
Stems black. Flowers yellow, 50-75% stripped. Wild. Seed.

502548 TO 502551-continued

502551. AR-185. Soviet Union. Collected August 25, 1982.
Roadside, 80km N of Elista, Kalmyk ARR. Plants 1.5m tall.
Black stem disease. Seed set poor. Wild. Seed.

502552. *Morus* sp. (Moraceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AF-239. Soviet Union. Collected September 06, 1982.
Dryland, Samarkand, Uzbek, USSR. Tree 8m tall. Cultivated.
Seed.

502553. *Onobrychis inermis* Stev. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-21. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 19, 1982. Cultivated. Seed.

502554. *Onobrychis viciifolia* Scop. (Fabaceae) Sainfoin.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-111. Soviet Union. Elista, Kalmyk ARR. Beef Breeding
Research Institute. Collected August 23, 1982. Adapted to
local conditions. Cultivated. Seed.

502555. *Phaseolus* sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-250. Soviet Union. Collected September 07, 1982.

502555-continued

South, 10km of Katlakurgan, 75km W of Samarkand.
Precipitation 500mm. Seeded in reservoir bed as water
recedes. Plants 0.5m tall . Pods black at maturity, 4-5
per inflorescence, dehiscing instantly. Cultivated. Seed.

502556. *Phleum phleoides* (L.) Karst. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-4. Soviet Union. Collected August 19, 1982. Stavropol
Botanical Garden, Stavropol USSR. Eight plants. Wild.
Seed.

502557 TO 502558. *Phleum pratense* L. (Poaceae) Timothy.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502557. AR-30. Soviet Union. Collected August 20, 1982. Virgin
hillside, 20km SW of Stavropol. Wild. Seed.

502558. AR-53. Soviet Union. Collected August 21, 1982. High
steppe grassland, calcareous soil, neutral pH, 20km S of
Stavropol. 800m. Precipitation 600mm. Stand sparse. Seeds
few. Wild. Seed.

502559. *Phleum* sp. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-54. Soviet Union. Collected August 21, 1982. High
steppe grassland, calcareous soil, neutral pH, 20km S of
Stavropol. 800m. Precipitation 600mm. Stand sparse. Wild.
Seed.

502560. *Phragmites australis* (Cav.) Trin. ex Steud. (Poaceae) Common
reed.

From United States. Donated by Rumbaugh, M.D.; Crops Research

502560-continued

Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-137. Soviet Union. Collected August 23, 1982. Low,
wet area 15km N of Elista. Plants 2m tall in wet spot.
Received as *Phragmites communis*. Wild. Seed.

502561 TO 502562. *Pistacia vera* L. (Anacardiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502561. AR-248. Soviet Union. Collected September 07, 1982.
Orchard, south of Kattakurgan. Mediterranean type climate.
Precipitation 500mm annually. Tree 3-4m tall. Cultivated.
Seed.

502562. AR-278. Soviet Union. Collected September 08, 1982.
Dryland, 50km south of Samarkand. 1500m. Precipitation
380mm annually. Tree 3m tall. Wild. Seed.

502563. *Poa angustifolia* L. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-198. Soviet Union. Collected August 28, 1982.
Ukranian Steppe. Wild. Seed.

502564 TO 502566. *Poa bulbosa* L. (Poaceae) Bulbous bluegrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502564. AR-266. Soviet Union. Collected September 08, 1982.
Reserve, steep hillside, 50km S of Samarkand, Uzbek, USSR.
2000m. Seed shatters badly. Plants overgrazed. Wild. Seed.

502565. AR-269. Soviet Union. Collected September 08, 1982.

502564 TO 502566-continued

Reserve, steep hillside, 50km S of Samarkand, Uzbek, USSR.
2000m. Wild. Seed.

502566. AR-275. Soviet Union. Collected September 08, 1982.
Reserve, steep hillside, 50km S of Samarkand, Uzbek, USSR.
Plants overgrazed. Wild. Seed.

502567. *Poa nemoralis* L. (Poaceae) Wood bluegrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-11. Soviet Union. Collected September 19, 1982.
Natural stand, Stavropol Botanical Garden. Rhizomatous.
Wild. Seed.

502568. *Prunus diyaricata* Ledeb. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-72. Soviet Union. Collected August 21, 1982. Game
preserve, 20km south of Stavropol. 800m. Plants 4.5m high.
Wild. Seed.

502569. *Prunus domestica* L. (Rosaceae) Common plum.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-265. Soviet Union. Collected September 08, 1982.
Reserve, steep hillside, 50km S of Samarkand, Uzbek,
USSR. 2000m. Local name Wild plum. Wild. Seed.

502570. *Prunus persica* (L.) Batsch (Rosaceae) Peach.

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.

502570-continued

Received November 1985.

AR-233. Soviet Union. Collected September 03, 1982.
Market, Tashkent, Uzbek, USSR. Grown locally. Cultivated.
Seed.

**502571 TO 502579. *Psathyrostachys juncea* (Fisch.) Nevski (Poaceae)
Russian wildrye.**

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502571. AR-130. Soviet Union. Elista, Kalmyk ARR. Kalmyk Beef
Breeding Research Institute. Collected August 23, 1982.
Local name Bozoisky. Received as *Elymus junceus*. Wild.
Seed.

502572. AR-142. Soviet Union. Collected August 24, 1982. Field,
collective farm. Local name Bozoisky 2. Received as
Elymus junceus. Cultivated. Seed.

502573. AR-163. Soviet Union. Collected August 24, 1982.
Seedstocks, collective farm. Local name Bozoisky 2.
Received as *Elymus junceus*. Cultivated. Seed.

502574. AR-396. Soviet Union. Leningrad. VIR. K 35900. Collected
1978. CCP, Kazakh SSR. Wild. Seed.

502575. AR-397. Soviet Union. Leningrad. VIR. K 37946. Collected
1978. Kazakh SSR. Wild. Seed.

502576. AR-398. Soviet Union. Leningrad. VIR. K 37772. Collected
1978. Local name Nevski. Cultivated. Seed.

502577. AR-399. Soviet Union. Leningrad. VIR. K 40175. Collected
1978. Local name Nevski. Cultivated. Seed.

502578. AR-400. Soviet Union. Leningrad. VIR. K 40190. Collected
1978. Local name Nevski. Cultivated. Seed.

502579. AR-401. Soviet Union. Leningrad. VIR. K 42111. Collected
1979. Kaxaxeas CCR. Wild. Seed.

**502580 TO 502582. *Puccinellia distans* (L.) Parl. (Poaceae) Weeping
alkaligrass.**

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;

502580 TO 502582-continued

Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502580. AR-110. Soviet Union. Collected August 21, 1982. Arid range, 150km southwest of Elista. Seeds shatter. Wild. Seed.

502581. AR-177. Soviet Union. Collected August 24, 1982. Saline site, near lake. Stand isolated. Plants 0.3m tall. Salt tolerant. Wild. Seed.

502582. AR-183. Soviet Union. Collected August 25, 1982. Swamp, 225km SW of Elista. Wild. Seed.

502583. *Pyrus caucasica* Fed. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-74. Soviet Union. Collected August 21, 1982. Game preserve, 20km S of Stavropol. One tree only. Wild. Seed.

502584. *Raphanus* sp. (Brassicaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-237. Soviet Union. Collected September 05, 1982. Market, Samarkand, Uzbek, USSR. Used as vegetable. Cultivated. Seed.

502585. *Robinia* sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-219. Soviet Union. Collected September 03, 1982. Chatkal Reservation, near Parkent, 50km SE of Tashkent, Uzbek, USSR. Precipitation 600mm. Abundant along stream. Tree 20-30m tall. Pods 5-8cm long, brown. Cultivated.

502585-continued
Seed.

502586. *Rosa* sp. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-224. Soviet Union. Collected September 03, 1982. Chatkal Reserve near Parkent, 50km SE of Tashkent, Uzbek. Shrub thorny, 2m tall. Berries red. Received as *Crataegus* sp. Wild. Seed.

502587. *Rosa spinosissima* L. (Rosaceae) Scotch rose.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-56. Soviet Union. High steppe grassland, calcareous soil, neutral pH, 20km S of Stavropol. Plants 0.1 to 1.0m tall, thorny. Received as *Rosa spinosa*. Wild. Seed.

502588 TO 502589. *Rubus* sp. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502588. AR-48. Soviet Union. Collected August 20, 1982. Virgin steppe, 20km W of Stavropol. Plants 1 m tall. Fruit large, purple, said to be edible, but not eaten. Received as *Rubus friseus*. Wild. Seed.

502589. AR-220. Soviet Union. Collected September 03, 1985. Chatkal Reserve, near Parkent, 50km SE of Tashkent, Uzbek, USSR. Plants 1-1.5m tall, growing adjacent to stream in valley. Wild. Seed.

502590. *Salvia tesquicola* Klok. & Pobedim. (Lamiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63;

502590-continued

Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-44. Soviet Union. Collected August 20, 1982.
Hillside, 30km west of Stavropol. Plants native. Flowers
purple. Wild. Seed.

502591. *Salvia* sp. (Lamiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-71. Soviet Union. Collected August 21, 1982. South of
Stavropol reserve, 20km. Flowers purple. Seeds immature.
Possible ornamental. Received as *Salvia verticillata*.
Wild. Seed.

502592 TO 502593. *Sanguisorba minor* subsp. *muricata* (Spach) Briq.
(Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

502592. AR-5. Soviet Union. Stavropol. Stavropol Botanical
Garden. Collected August 19, 1982. Nice ornamental.
Received as *Poterium polygamum*. Wild. Seed.

502593. AR-66. Soviet Union. Collected August 21, 1982. Steppe
grassland, calcareous soil, neutral pH, 20km S of
Stavropol Reserve. Leaves broad. Seed shatters badly.
Received as *Poterium polygamum*. Wild. Seed.

502594. *Sanguisorba* sp. (Rosaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research
Laboratory, USDA-ARS, Utah State University - UMC 63;
Logan, Utah. Received through Asay/Rumbaugh Plant
Exploration to USSR, 1982.
Received November 1985.

AR-216. Soviet Union. Collected September 03, 1982.
North slope, Chatkal Res., near Parkent, 50km SE of
Tashkent, Uzbek, USSR. 1100m. Precipitation 600mm. Rocky

502594-continued

area. Flowering stalks 10cm tall. Wild. Seed.

502595. *Sorghum bicolor* (L.) Moench (Poaceae) Sorghum.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-114. Soviet Union. Elista, Kalmyk ARR. Beef Breeding Research Institute. Collected August 23, 1982. Precipitation 200-250mm. Used for forage. Received as *Sorghum vulgare*. Cultivated. Seed.

502596 TO 502603. *Stipa capillata* L. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502596. AR-31. Soviet Union. Collected August 20, 1982. Virgin hillside, 20km W of Stavropol. Plants weedy. Wild. Seed.

502597. AR-101. Soviet Union. Stavropol. Stavropol Botanical Garden. Donated by Tamofeev. Plants originally from near Stavropol. Cultivated. Seed.

502598. AR-109. Soviet Union. Collected August 22, 1982. Arid range, 150km SW of Elista. Precipitation 200-250mm. Wild. Seed.

502599. AR-127. Soviet Union. Collected August 23, 1982. West of Elista, 30km. Precipitation 200mm. Stand good. Wild. Seed.

502600. AR-144. Soviet Union. Collected August 24, 1982. Cooperative farm, 250km NW of Elista. Growing with *Stipa sareptana*. Wild. Seed.

502601. AR-169. Soviet Union. Collected August 24, 1982. Weedy area on highway, 35km N of Elista. Wild. Seed.

502602. AR-178. Soviet Union. Collected August 24, 1982. Along salty lake. Stand good. Wild. Seed.

502603. AR-197. Soviet Union. Collected August 28, 1982. Natural Ukrainian Steppe. Wild. Seed.

502604. *Stipa dasyphylla* (Lindemann) Czernj. ex Trautv. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-103. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Originally from Carpineni, Moldavskaja SSR. Cultivated. Seed.

502605. *Stipa pontica* F. Smirn. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-104. Soviet Union. Stavropol. Stavropol Botanical Garden. N 228. Collected August 21, 1982. Donated by Tamofeev. Originally from Donetsk. Botanical Garden. Cultivated. Seed.

502606 TO 502607. *Stipa pulcherrima* K. Koch (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502606. AR-91. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Cultivated. Seed.

502607. AR-99. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Originally collected near Stavropol. Wild. Seed.

502608. *Stipa sareptana* A. Becker (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-141. Soviet Union. Collected August 24, 1982.

502608-continued

Collective farm, 250km NW of Elista. Growing with *S. capillata*. Plants 0.5m tall. Maturity earlier than *S. capillata*. Wild. Seed.

502609. *Stipa sibirica* (L.) Lam. (Poaceae) Needlegrass.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-92. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Cultivated. Seed.

502610. *Stipa tenacissima* L. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AF-98. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Originally from Zagreb, Yugoslavia. Cultivated. Seed.

502611. *Stipa ucrainica* Smirn. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-88. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 21, 1982. Donated by Tamofeev. Originally from near Stavropol. Cultivated. Seed.

502612. *Stipa zaleskii* Wilensky (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-95. Soviet Union. Stavropol. Stavropol Botanical

502612-continued

Garden. Donated by Tamofeev. Originally from Donetin region. Wild. Seed.

502613. *Tilia* sp. (Tiliaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-215. Soviet Union. Collected September 01, 1982. Park, Tashkent, USSR. Tree. Cultivated. Seed.

502614. *Trifolium ambiguum* Bieb. (Fabaceae) Kura clover.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-13. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected August 19, 1982. Donated by Tamofeev. Originally from Steppe. Nodules small, scarce. Nodule sample. Wild. Seed.

502615 TO 502617. *Trifolium arvense* L. (Fabaceae) Rabbit-foot clover.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502615. AR-107. Soviet Union. Collected August 22, 1982. Shore, Salt Lake, Dacha, 17km S and 70km W of Elista. Plants to 10cm tall. Seed yield high. Grown with crested wheatgrass. Used for hay. Wild. Seed.

502616. AR-189. Soviet Union. Collected August 25, 1982. Steppe near shore, Salt Lake, collect. farm, 250km W of Elista, Kalmyk ARR. Plants to 15cm tall. Maturity later than *Trifolium striata*. Wild. Seed.

502617. AR-190. Soviet Union. Collected August 25, 1982. Steppe, 250km west of Elista, Kalmyk ARR. Precipitation 400mm. Maturity later than AR-189. Nodule sample. Wild. Seed.

502618. *Trifolium montanum* L. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-18. Soviet Union. Stavropol. Stavropol Botanical Garden. Collected September 19, 1982. Reconstructed Steppe. Nodules small, white, scarce. Nodule sample. Wild. Seed.

502619 TO 502620. *Trifolium pratense* L. (Fabaceae) Red clover.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502619. AR-1. Soviet Union. Stavropol. Stavropol Botanical Garden. Native vegetation plot. Stems badly diseased. Many small to medium nodules. Nodule sample. Wild. Seed.

502620. AR-64. Soviet Union. Collected August 21, 1982. Native steppe, 20km south of Stavropol. 800m. Wild. Seed.

502621. *Trifolium repens* L. (Fabaceae) White clover.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-57. Soviet Union. Collected August 21, 1982. Virgin land, 20km south of Stavropol. 600m. Nodule sample. Wild. Seed.

502622 TO 502623. *Trifolium* sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502622. AR-240. Soviet Union. Collected September 06, 1982. Irrigation ditch, Samarkand, Uzbek, USSR. Plants small, prostrate, stoloniferous. Flowers pink. Wild. Seed.

502622 TO 502623-continued

502623. AR-277. Soviet Union. Along mountain stream, 50km S of Samarkand. 1100m. Plants small, prostrate, stoloniferous. Similar to white clover. Flowers pink. Wild. Seed.

502624 TO 502626. *Trifolium striatum* L. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502624. AR-187. Soviet Union. Collected August 25, 1982. Draw near Salt Lake steppe, 250km W of Elista, Kalmyk ARR. Precipitation 400mm. Plants 15cm tall. Seed yield high. Maturity early. Looks like annual. Salt tolerant. Nodules dessicated. Nodule sample. Wild. Seed.

502625. AR-193. Soviet Union. Collected August 25, 1982. Upland site, 200km W of Elista, Kalmyk ARR. Precipitation 400mm. Growing with *Elymus ramosus*. Plants 15cm tall. Maturity early. Cut for hay. Wild. Seed.

502626. AR-206. Soviet Union. Collected August 28, 1982. Steppe, Askania-Nova Preserve, E of Kherson, Ukraine, USSR. Precipitation 386mm. Plants 10-20cm tall. Roots small, probably annual. Nodules abundant. Nodule sample. Received as *Trifolium diffusum*. Wild. Seed.

502627. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

AR-257. Red Star. Soviet Union. Collected September 08, 1982. South, 15km of Kattakurgan, 75km W of Samarkand, USSR. Cultivar. Seed.

502628. *Triticum* sp. (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982. Received November 1985.

502628-continued

AR-52. Soviet Union. Collected August 21, 1982. High steppe grassland, calcareous soil, neutral pH, 20km S of Stravopol. One plant. Wild. Seed.

502629. *Tulipa schrenkii* Regel (Liliaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-123. Soviet Union. Collected August 23, 1982. Research farm, 30km W of Elista. Uzbek, USSR. Precipitation 250mm. Steppe species. Plants 0.33m tall. Received as *Tulipa schrenkeana*. Wild. Seed.

502630. Undetermined (Apiaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-282. Soviet Union. Collected September 08, 1982. Mountains, Samarkand, Uzbek, USSR. Used to flavor soup. Local name Zupa or Zira. Cultivated. Seed.

502631. Undetermined (Asteraceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-279. Soviet Union. Collected September 08, 1982. South, 50km of Samarkand, Uzbek, USSR. 1500m. Potentially weedy. Plants growing in overgrazed pasture. Used for grazing by sheep. Cultivated. Seed.

502632. Undetermined (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-211. Soviet Union. Collected August 29, 1982. Kherson Boulevard, Ukraine, USSR. Common street and park planting.

502632-continued

Received as *Robinia* sp. Cultivated. Seed.

502633 TO 502634. Undetermined (Poaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502633. AR-165. Soviet Union. Collected August 24, 1982. Northwest of Elista, 225km. Seed shatters badly. Received as *Poa bulbosa* var. *vivipara*. Wild. Seed.

502634. AR-260. Soviet Union. Collected August 21, 1982. West, 75km of Samarkand, 15km S of Kattakurgan, Uzbek, USSR. Stands small. Plants 40cm tall. Wild. Seed.

502635. Undetermined sp.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-249. Soviet Union. Collected September 07, 1982. Pistachio orchard, 10km S of Kattakurgan, 75km W of Samarkand. Plants growing in heavily grazed orchard. Wild. Seed.

502636 TO 502637. *Vicia sativa* subsp. *nigra* (L.) Ehrh. (Fabaceae)
Blackpod vetch.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

502636. AR-9. Soviet Union. Collected August 19, 1982. Native vegetation plot, Stavropol Botanical Garden. Nodule sample, mixed with *Trifolium* nodules. Received as *Vicia angustifolia*. Wild. Seed.

502637. AR-47. Soviet Union. Collected August 20, 1982. Hard, dry ground, 30km W of Stavropol. Received as *Vicia angustifolia*. Wild. Seed.

502638. *Vicia* sp. (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-217. Soviet Union. Collected September 03, 1982. Chatkal Reservation near Parkent, 50km SE of Tashkent. 1100m. Precipitation 600mm. Plants 25cm tall. Seed production high. Nodule sample. Wild. Seed.

502639. *Vicia tenuifolia* Roth (Fabaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-65. Soviet Union. Collected August 21, 1982. High steppe grassland, calcareous soil, neutral pH, 20km S of Stavropol. Wild. Seed.

502640. *Vicia tetrasperma* (L.) Schreb. (Fabaceae) Sparrow vetch.

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-46. Soviet Union. Collected August 20, 1982. Virgin steppe, 30km W of Stavropol. Most pods shattered. Wild. Seed.

502641. *Vitis* sp. (Vitaceae).

From United States. Donated by Rumbaugh, M.D.; Crops Research Laboratory, USDA-ARS, Utah State University - UMC 63; Logan, Utah. Received through Asay/Rumbaugh Plant Exploration to USSR, 1982.
Received November 1985.

AR-205. Soviet Union. Collected August 28, 1982. Kherson, Ukraine, USSR. Possibly Hungarian cultivar. Fruit green, seeded. Cultivated. Seed.

502642. *Solanum neocardenasii* Hawkes & Hjert. (Solanaceae).

From United States. Donated by Lapointe, S.; Department of Entomology, Cornell University; Ithaca, New York.
Received March 1986.

Lap 32084-1. Bolivia. Road to Vallegrande, 1.5km S of Mataral, Vallegrande, Santa Cruz. 1400m. Collected by S. Lapointe and I. Aviles. Plants growing on top of small hill in pasture on west side of road, under leguminous tree among spiny ground bromeliades. Same locality as that of the type specimen. Wild. Seed.

502643. *Colubrina texensis* (Torr. & Gray) Gray (Rhamnaceae).

From United States. Donated by Perdue, R.E.; Germplasm Introduction and Evaluation Laboratory, USDA-ARS; Beltsville, Maryland.
Received March 1986.

P-12015. United States. Collected August 21, 1974. Hillside, W of Hwy 59, 2.6km NE of Fannin, Goliad Co., Texas. Collected by R.E. Perdue. Shrub, 0.6-1.2m tall growing in white limestone soil. Wild.

502644. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Sunderman, D.W.; USDA-ARS, University of Idaho Research and Extension Center; Aberdeen, Idaho.
Received March 1986.

ID0238. Copper. United States. Borah/3/Moran//Penjama sib/Gabo 55. Hard red type. Semidwarf, awned, brown chaffed, erect to inclined heads. Maturity intermediate. Resistant to stripe rust. Moderately resistant to leaf rust, powdery mildew, black chaff and kernal black point. Spring Annual. Cultivar. Seed.

502645. *Medicago ruthenica* L. (Fabaceae).

From China, Peoples Repub of. Donated by Grassland Institute, Chinese Academy of Agricultural Sciences; Beijing.
Received through D.R. Dewey, Crops Research Lab., USDA-ARS, Utah State University, Logan, UT.
Received December 1985.

China, Peoples Repub of. Collected September 1982. Nei Meng. Received as *Trigonella ruthenica*. Seed.

502646 TO 502647. *Medicago sativa* L. (Fabaceae) Alfalfa.

From China, Peoples Repub of. Donated by Grassland Institute, Chinese Academy of Agricultural Sciences; Beijing.
Received through D.R. Dewey, Crops Research Lab., USDA-ARS, Utah State University, Logan, UT.
Received December 1985.

502646. Gong Nong 1. China, Peoples Repub of. Collected September 1977. Nei Meng. Cultivar. Seed.

502647. Hu Meng. China, Peoples Repub of. Collected September 1975. Nei Meng. Cultivar. Seed.

502648 TO 502652. *Lupinus albus* L. (Fabaceae) White lupine.

From Israel. Donated by Zur, M.; Plant Introduction Department, The Israel Gene Bank for Agricultural Crops; Bet-Dagan 50250.
Received February 1986.

502648. 29-750. Germany, Federal Rep of. Cultivated. Seed.

502649. 32-089. Astra. Chile. Cultivar. Seed.

502650. 32-092. Kali. Poland. Cultivar. Seed.

502651. 32-093. Kiev Mutant. Soviet Union. Plants very short with strong determinant growth. Cultivar. Seed.

502652. 32-096. Hungary. Cultivated. Seed.

502653 TO 502657. *Daucus carota* L. (Apiaceae).

From Pakistan. Donated by Bhatti, S.; Plant Genetic Resources Laboratory, National Agricultural Research Center, PARC; Islamabad.
Received February 1986.

502653. PAK 10098. Cultivated. Seed.

502654. PAK 10100. Cultivated. Seed.

502655. PAK 10103. Cultivated. Seed.

502656. PAK 10205. Cultivated. Seed.

502657. PAK 10251. Cultivated. Seed.

502658 TO 502737. *Oryza sativa* L. (Poaceae) Rice.

From United States. Donated by Rice Research and Extension

502658 TO 502737-continued

Center, University of Arkansas; Stuttgart, Arkansas.
Received through The Rice Germplasm Rejuvenation Project
(1983-87).
Received March 1986.

502658. Gp-391. Stormproof Seln. (CI7705-5). United States. NSL 017788.02. Cultivated. Seed.
502659. Gp-495. UNKN MGVR. United States. NSL 017721.02. CI 1546?. Cultivated. Seed.
502660. Gp-535. Dawn Seln. (CI9534-24). United States. 81 STG MI-180. Cultivated. Seed.
502661. Gp-549. Delitus Seln. (CI1206-2). United States. NSL 017707.01. Cultivated. Seed.
502662. Gp-553. Vintula Seln. (CI1241-5). United States. NSL 017713.02. Cultivated. Seed.
502663. Gp-617. Gopher RL?. United States. NSL 049672.01. CI 9038?. Cultivated. Seed.
502664. Gp-646. UNKN MGVR. United States. BLTS 2306 46. PI400079?. Cultivated. Seed.
502665. Gp-673. CALO/BROS. United States. NSL 3/77. CI 9322?. Cultivated. Seed.
502666. Gp-711. BROS SELN (CI1962-1). United States. NSL 017741.02. Cultivated. Seed.
502667. Gp-724. BROS RGUE. United States. 83 BMT 2145. Cultivated. Seed.
502668. Gp-758. BR41 RGUE. United States. BLTS 2306. Cultivated. Seed.
502669. Gp-801. Sadri-type. United States. BLTS 2306. PI431303? (Not IR5). Cultivated. Seed.
502670. Gp-807. UNKN MGVR. United States. BLTS 2306. PI331505?. Cultivated. Seed.
502671. Gp-809. UNKN MGVR. United States. BLTS 2306. PI392186?(IRRI-8?). Cultivated. Seed.
502672. Gp-810. IRRI SELN. United States. BLTS 2306. PI399641?. Cultivated. Seed.
502673. Gp-823. IRRI SELN. United States. BLTS 2306. PI431425?. Cultivated. Seed.

502658 TO 502737-continued

502674. Gp-824. IRRI Seln. United States. 81 STG MI-53.
Cultivated. Seed.
502675. Gp-831. IRRI SELN. United States. BLTS 2306. PI430338?.
Cultivated. Seed.
502676. Gp-842. IRRI SELN. United States. BLTS 2306. PI431306?.
Cultivated. Seed.
502677. Gp-859. IRRI SELN. United States. BLTS 2306. PI442969?.
Cultivated. Seed.
502678. Gp-907. Banshiu Honha?. United States. NSL 047599.01. CI
1299?. Cultivated. Seed.
502679. Gp-933. UNKN LGVR. United States. NSL 10/78 & 12/75.
CI114?. Cultivated. Seed.
502680. Gp-937. Catibos Seln. (CI250-2). United States. NSL
019431.02. Cultivated. Seed.
502681. Gp-977. UNKN MGVR. United States. NSL 10/78. CI1183?.
Cultivated. Seed.
502682. Gp-978. UNKN MGVR. United States. NSL 10/78. CI1187?.
Cultivated. Seed.
502683. Gp-999. UNKN MGVR. United States. NSL 10/78. CI1526?.
Cultivated. Seed.
502684. Gp-1011. Zo Tsen Bow Sung?. United States. NSL 019046.02.
CI1711?. Cultivated. Seed.
502685. Gp-1118. Kinko?. United States. NSL 018128.02. CI2299?.
Cultivated. Seed.
502686. Gp-1179. Kinastano Seln. (CI2647-2). United States. NSL
019453.02. Cultivated. Seed.
502687. Gp-1211. Jalbayonon?. United States. NSL 019466.02.
CI2832?. Cultivated. Seed.
502688. Gp-1221. Phil LGVR SELN. United States. 83 CRO 928.
Cultivated. Seed.
502689. Gp-1364. Quinanda Itim Seln. (CI3794-2). United States.
NSL 019517.02. Cultivated. Seed.
502690. Gp-1815. Arroz en granza 106 Seln. (CI5403-2). United
States. NSL 019056.02. Cultivated. Seed.
502691. Gp-2163. Nanking Seln. (RU8201119). United States. 82

502658 TO 502737-continued

- STG 119. STG 799171. Cultivated. Seed.
502692. Gp-2164. Nanking Seln. (STG799116). United States. 82
STG VP-226. Cultivated. Seed.
502693. Gp-2172. UNKN MGVR. United States. NSL 3/77. CI 07120?.
Cultivated. Seed.
502694. Gp-2528. Taikoku 7?. United States. NSL 018431.02.
CI08346?. Cultivated. Seed.
502695. Gp-2899. Choei Ine Seln. (CI8657-1). United States. NSL
3/77. Cultivated. Seed.
502696. Gp-2961. Huc Pi Seln. (CI8682-1). United States. NSL 3/
77. Cultivated. Seed.
502697. Gp-2963. Huc Su Zo Seln. (CI8683-1). United States. NSL
3/77. Cultivated. Seed.
502698. Gp-2967. Hukoku Mochi Seln. (CI8685-1). United States.
NSL 3/77. Endosperm waxy. Cultivated. Seed.
502699. Gp-2970. Huku Kaisen Mochi Seln. (CI8686-1). United
States. 83 CRO 401. Endosperm not waxy. Cultivated. Seed.
502700. Gp-2971. Huku Kaisen Mochi Seln. (CI8686-2). United
States. NSL 3/77. Endosperm waxy. Cultivated. Seed.
502701. Gp-2973. Igushi Mochi Seln. (CI8687-1). United States.
NSL 3/77. Endosperm waxy. Cultivated. Seed.
502702. Gp-2991. Ka Os Chal Seln. (CI8695-1). United States. NSL
3/77. Endosperm waxy. Cultivated. Seed.
502703. Gp-3053. Pang Go A?. United States. NSL 10/79. CI08826?.
Cultivated. Seed.
502704. Gp-3082. Ryuc U 20?. United States. NSL 017909.02.
CI08839?. Cultivated. Seed.
502705. Gp-3204. Criollo Seln. (CI8891-1). United States. 83 CRO
966. Cultivated. Seed.
502706. Gp-3419. SMBR//BR41/CI8326?. United States. NSL
049667.01. CI09018?. Cultivated. Seed.
502707. Gp-3422. BBNT SELN. United States. 83 STG WC 027.
Cultivated. Seed.
502708. Gp-3658. Mo R-500?. United States. NSL 3/77. CI09155?.
Cultivated. Seed.

502658 TO 502737-continued

502709. Gp-4426. LACR/AROS//NATO?. United States. NSL 068413.01. CI09549?. Cultivated. Seed.
502710. Gp-4664. Tremesino?. United States. 83 STG MI-93. CI09776?. Cultivated. Seed.
502711. Gp-4911. C19453/BB50//C19187(STG 653570). United States. 73 STG MS-11. RU 7901017. Straighthead resistance. Cultivated. Seed.
502712. Gp-4913. NOVA Dwarf (NVDF) STG 652101. United States. 83 MI-8. Ru 7901040. Double dwarf mutant. Cultivated. Seed.
502713. Gp-4915. Zenith/ADT3 (ZADT). United States. 81 STG MI-206. Hi-protein. Cultivated. Seed.
502714. Gp-4916. Zenith/ADT3 (ZADT). United States. 81 STG MI-208. Hi-protein. Cultivated. Seed.
502715. Gp-4917. STBN/ZADT (RU7501067). United States. 75 STG 156. Hi-protein. Cultivated. Seed.
502716. Gp-4918. STBN/ZADT (RU7601067). United States. 81 STG MI-210. Hi-protein. Cultivated. Seed.
502717. Gp-4919. STBN/ZADT (RU7601071). United States. 76 STG 71. Hi-protein. Cultivated. Seed.
502718. Gp-5118. Tung Wan Pai SELN (PI160391-1). United States. 82 STG QT. Cultivated. Seed.
502719. Gp-5121. Tung Wan Pai Seln. (PI160391-3). United States. 82 STG QT. Cultivated. Seed.
502720. Gp-5152. Airoka 1 Seln. (PI162074-1). United States. NSL 047632.01. Cultivated. Seed.
502721. Gp-5199. Sadri Type Seln. (PI184675-2). United States. NSL 048772.01. Cultivated. Seed.
502722. Gp-5204. Sadri Type Seln. (PI184675-6). United States. NSL 053428.01. Cultivated. Seed.
502723. Gp-5244. Varsanyhelyi Seln. (PI282214-4). United States. 81 STG MI-214. Cultivated. Seed.
502724. Gp-5248. RGUE (PI282455-2). United States. 82 STG QT. All red bran. Cultivated. Seed.
502725. Gp-6990. Dhala Shaitta Seln. (PI180060-1). United States. NSL 019356.02. Cultivated. Seed.

502658 TO 502737-continued

502726. Gp-7448. Maratelli?. United States. 83 BMT-2117.
PI209518?. Cultivated. Seed.
502727. Gp-7467. Taiwan 1?. United States. NSL 3/77. PI209933?.
Cultivated. Seed.
502728. Gp-7510. Buffalo?. United States. NSL 3/77. PI214076?.
Cultivated. Seed.
502729. Gp-7591. Shinchiku 95?. United States. NSL 018551.02.
PI215834?. Cultivated. Seed.
502730. Gp-7603. Shinchiku 125?. United States. NSL 3/77 & 83
CRO 723. PI215841?. Cultivated. Seed.
502731. Gp-7636. Shinchiku Mochi 11?. United States. NSL
018579.02. PI215865? Endosperm not waxy. Cultivated. Seed.
502732. Gp-8190. Hosakae?. United States. NSL 018271.02 & 3/77.
PI224824?. Cultivated. Seed.
502733. Gp-8336. Rikuto Norin 9 Seln. (PI224889-1). United
States. NSL 018316.02 & 3/77. Cultivated. Seed.
502734. Gp-8378. Shinano Mochi 3?. United States. NSL 018332.02
& 3/77. PI224908? Endosperm not waxy. Cultivated. Seed.
502735. Gp-8429. Wase Esozema Mochi?. United States. NSL 3/77.
PI224934? Endosperm not waxy. Cultivated. Seed.
502736. Gp-8451. Milbuen (PI226152 non valid no.). Philippines.
NSL 019618.02. Cultivar. Seed.
502737. Gp-8467. Daikoku Ine?. United States. NSL 075822.01
GS897. PI226161?. Cultivated. Seed.

502738 TO 502905. *Oryza sativa* L. (Poaceae) Rice.

From United States. Donated by Rice Research and Extension
Center, University of Arkansas; Stuttgart, Arkansas.
Received through The Rice Germplasm Rejuvenation Project
(1983-87).
Received March 1986.

502738. Gp-17. UNKN MGVR. United States. 83 DAV. Cultivated.
Seed.
502739. Gp-232. UNKN LGVR. United States. 83 DAV. Cultivated.
Seed.
502740. Gp-336. UNKN LGVR. United States. NSL 3/77. Cultivated.

502738 TO 502905-continued

Seed.

502741. Gp-356. UNKN LGVR. United States. BLTSV 2306. PI461095?.
Cultivated. Seed.
502742. Gp-363. UNKN LGVR. United States. 83 STG MI-76.
Cultivated. Seed.
502743. Gp-364. UNKN LGVR. United States. 83 DAV. Cultivated.
Seed.
502744. Gp-427. UNKN LGVR. United States. 83 STG WC-055.
Cultivated. Seed.
502745. Gp-497. UNKN MGVR. United States. NSL 12/76. Cultivated.
Seed.
502746. Gp-538. UNKN MGVR. United States. NSL 10/78. Cultivated.
Seed.
502747. Gp-581. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502748. Gp-611. UNKN LGVR. United States. NSL 3/77. Cultivated.
Seed.
502749. Gp-654. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502750. Gp-910. UNKN MGVR. United States. 64 BMT. Cultivated.
Seed.
502751. Gp-1001. UNKN MGVR. United States. NSL 12/76. Cultivated.
Seed.
502752. Gp-1027. UNKN MGVR. United States. NSL 10/78. Cultivated.
Seed.
502753. Gp-1076. UNKN LGVR. United States. NSL 020554.01. Not
CI2127?. Cultivated. Seed.
502754. Gp-1237. UNKN MGVR. United States. NSL 10/79. Cultivated.
Seed.
502755. Gp-1346. UNKN MGVR. United States. NSL 10/79. Some waxy
endosperm. Cultivated. Seed.
502756. Gp-1585. UNKN LGVR. United States. NSL 3/77. CI4472?.
Cultivated. Seed.
502757. Gp-1787. UNKN LGVR. United States. 83 CRO 956. CI5353-1?.
Cultivated. Seed.

502738 TO 502905-continued

502758. Gp-1804. UNKN MGVR. United States. 83 CRO 961. BRAZ-type. Cultivated. Seed.
502759. Gp-1811. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502760. Gp-1857. UNKN LGVR. United States. NSL 075797.01. Cultivated. Seed.
502761. Gp-1858. UNKN LGVR. United States. NSL 10/78. Cultivated. Seed.
502762. Gp-1882. UNKN MGVR. United States. NSL 049542.01. Cultivated. Seed.
502763. Gp-1913. UNKN MGVR. United States. NSL 019646.02. Cultivated. Seed.
502764. Gp-1930. UNKN MGVR. United States. NSL 019316.02. Cultivated. Seed.
502765. Gp-2118. UNKN MGVR. United States. NSL Stamped 2572?. Cultivated. Seed.
502766. Gp-2141. UNKN MGVR. United States. 83 CRO 389. Cultivated. Seed.
502767. Gp-2142. UNKN SGVR. United States. NSL 020579.01. Cultivated. Seed.
502768. Gp-2295. UNKN MGVR. United States. NSL 10/78. Trace of red bran. Cultivated. Seed.
502769. Gp-2333. UNKN MGVR. United States. NSL 10/78. Not CI7999. Possibly CI8040. Cultivated. Seed.
502770. Gp-2336. UNKN MGVR. United States. 83 CRO 993. BRAZ-type. Not CI8039. Cultivated. Seed.
502771. Gp-2344. UNKN MGVR. United States. NSL 10/78. Cultivated. Seed.
502772. Gp-2349. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502773. Gp-2361. UNKN MGVR. United States. NSL 10/78. Cultivated. Seed.
502774. Gp-2364. UNKN SGVR. United States. NSL 10/78. Cultivated. Seed.
502775. Gp-2383. UNKN MGVR. United States. 83 CRO 871.

502738 TO 502905-continued

- Cultivated. Seed.
502776. Gp-2389. UNKN MGVR. United States. 83 CRO 873.
Cultivated. Seed.
502777. Gp-2393. UNKN LGVR. United States. NSL 018773.02.
Cultivated. Seed.
502778. Gp-2548. UNKN MGVR. United States. 83 CRO 697. BRAZ-like.
Cultivated. Seed.
502779. Gp-2557. UNKN SGVR. United States. NSL 048093.01.
Cultivated. Seed.
502780. Gp-2588. UNKN MGVR. United States. 2085?. Possibly
CI8373?. Cultivated. Seed.
502781. Gp-2589. UNKN MGVR. United States. 83 CRO 702. BRAZ-type.
Cultivated. Seed.
502782. Gp-2639. UNKN SGVR. United States. NSL 3/77. Cultivated.
Seed.
502783. Gp-2739. UNKN MGVR. United States. 83 CRO 709. BRAZ-like.
Cultivated. Seed.
502784. Gp-2756. UNKN MGVR. United States. NSL 10/78 Stp 8514.
Cultivated. Seed.
502785. Gp-2769. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502786. Gp-2861. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502787. Gp-2912. UNKN SGVR. United States. NSL 3/77. Cultivated.
Seed.
502788. Gp-2919. UNKN MGVR. United States. NSL 3/77. Endosperm
waxy. Cultivated. Seed.
502789. Gp-2921. UNKN MGVR. United States. NSL 10/78. Cultivated.
Seed.
502790. Gp-2923. UNKN MGVR. United States. NSL 3/77. Endosperm
waxy. Cultivated. Seed.
502791. Gp-2928. UNKN MGVR. United States. NSL 10/78. Cultivated.
Seed.
502792. Gp-2947. UNKN MGVR. United States. NSL 10/78. Cultivated.
Seed.

502738 TO 502905-continued

502793. Gp-3004. UNKN MGVR. United States. NSL 10/78 Stp 8711(WC?). Cultivated. Seed.
502794. Gp-3005. UNKN LGVR. United States. NSL 10/78 Stp 8720. Cultivated. Seed.
502795. Gp-3044. UNKN SGVR. United States. NSL 3/77. Cultivated. Seed.
502796. Gp-3047. UNKN LGVR. United States. 83 STG MI-102. Similar to Dular. Cultivated. Seed.
502797. Gp-3066. UNKN SGVR. United States. 83 DAV. Endosperm waxy. Cultivated. Seed.
502798. Gp-3069. UNKN SGVR. United States. NSL 10/78 Stp 1299. Cultivated. Seed.
502799. Gp-3146. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502800. Gp-3267. UNKN MGVR. United States. NSL 3/77 & 10/79. Cultivated. Seed.
502801. Gp-3274. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502802. Gp-3276. UNKN LGVR. United States. NSL 3/77. Probably not CI8929. Cultivated. Seed.
502803. Gp-3389. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502804. Gp-3403. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502805. Gp-3408. UNKN LGVR. United States. 83 CRO 130. Cultivated. Seed.
502806. Gp-3450. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502807. Gp-3475. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502808. Gp-3526. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502809. Gp-3541. UNKN MGVR. United States. NSL 10/78 Stp 9092. Cultivated. Seed.
502810. Gp-3548. UNKN MGVR. United States. NSL 3/77. Cultivated.

502738 TO 502905-continued
Seed.

502811. Gp-3597. UNKN LGVR. United States. NSL 10/78 Stp 9124.
Cultivated. Seed.
502812. Gp-3610. UNKN LGVR. United States. NSL 3/77. Cultivated.
Seed.
502813. Gp-3612. UNKN LGVR. United States. NSL 3/77. Cultivated.
Seed.
502814. Gp-3632. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502815. Gp-3638. UNKN LGVR. United States. NSL 046996.01.
Cultivated. Seed.
502816. Gp-3643. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502817. Gp-3698. UNKN LGVR. United States. NSL 3/77. Trace of
Strawhull. Cultivated. Seed.
502818. Gp-3769. UNKN LGVR. United States. NSL 3/77. Cultivated.
Seed.
502819. Gp-3935. UNKN MGVR. United States. NSL 10/79 Stp 9374.
Cultivated. Seed.
502820. Gp-3944. UNKN SGVR. United States. NSL 3/77. Cultivated.
Seed.
502821. Gp-4062. UNKN LGVR. United States. 83 CRO 277.
Cultivated. Seed.
502822. Gp-4208. UNKN LGVR. United States. NSL 3/77. Cultivated.
Seed.
502823. Gp-4210. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502824. Gp-4259. UNKN LGVR. United States. NSL 3/77. Trace of
Strawhull. Cultivated. Seed.
502825. Gp-4265. UNKN MGVR. United States. NSL 3/77. Cultivated.
Seed.
502826. Gp-4285. UNKN LGVR. United States. NSL 3/77. Cultivated.
Seed.
502827. Gp-4289. UNKN LGVR. United States. NSL 3/77. Cultivated.
Seed.

502738 TO 502905-continued

502828. Gp-4304. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502829. Gp-4336. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502830. Gp-4338. UNKN LGVR. United States. 83 CRO 343. Cultivated. Seed.
502831. Gp-4339. UNKN LGVR. United States. NSL 10/79. Trace of Strawhull. Cultivated. Seed.
502832. Gp-4375. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502833. Gp-4406. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502834. Gp-4438. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502835. Gp-4457. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502836. Gp-4475. UNKN MGVR. United States. NSL 10/75 Stp 9572. Some long grain. Cultivated. Seed.
502837. Gp-4505. UNKN LGVR. United States. 83 CRO 372. Cultivated. Seed.
502838. Gp-4709. UNKN MGVR. United States. 83 DAV. Cultivated. Seed.
502839. Gp-4785. UNKN MGVR. United States. 83 DAV. Some mixture of grain types. Cultivated. Seed.
502840. Gp-4815. UNKN LGVR. United States. 83 DAV. Cultivated. Seed.
502841. Gp-5192. UNKN MGVR. United States. 83 CRO 924. US type. Cultivated. Seed.
502842. Gp-5210. UNKN MGVR. United States. 83 CRO 988. US type. Cultivated. Seed.
502843. Gp-5290. UNKN LGVR (PI109885 non-valid no.). United States. NSL 3/77. Cultivated. Seed.
502844. Gp-5292. UNKN MGVR. United States. NSL 3/77. Also PI460919?-Rubio?. Cultivated. Seed.
502845. Gp-5293. UNKN MGVR (PI150582 non-valid no.). United

502738 TO 502905-continued

- States. NSL 10/78. Cultivated. Seed.
502846. Gp-5307. UNKN LGVR. United States. NSL 10/78 Stp 160397. Cultivated. Seed.
502847. Gp-5481. UNKN SGVR. United States. NSL 10/78. Cultivated. Seed.
502848. Gp-5530. UNKN MGVR. United States. 83 CRO 075. Cultivated. Seed.
502849. Gp-5534. UNKN MGVR. United States. NSL 10/78. Trace of Goldhull. Cultivated. Seed.
502850. Gp-5683. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502851. Gp-5686. UNKN MGVR. United States. 83 DAV. Cultivated. Seed.
502852. Gp-5699. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502853. Gp-5707. UNKN SGVR. United States. NSL 3/77. Some red bran. Cultivated. Seed.
502854. Gp-5724. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502855. Gp-5778. UNKN MGVR. United States. NSL 3/77. Some red bran. Cultivated. Seed.
502856. Gp-5845. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502857. Gp-5890A. UNKN MGVR (Strawhull). United States. Cultivated. Seed.
502858. Gp-5890B. UNKN MGVR (Blackhull). United States. Cultivated. Seed.
502859. Gp-6002. UNKN MGVR. United States. 83 DAV. Not PI160816. PI160816. Endosperm waxy. Cultivated. Seed.
502860. Gp-6065. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502861. Gp-6068. UNKN SGVR. United States. NSL 3/77. Cultivated. Seed.
502862. Gp-6182. UNKN MGVR (PI160957?). United States. NSL 10/78. Ai Yeh Lu?. Cultivated. Seed.

502738 TO 502905-continued

- 502863. Gp-6336. UNKN MGVR. United States. NSL 10/78. Cultivated. Seed.
- 502864. Gp-6536. UNKN MGVR. United States. NSL 10/78. Cultivated. Seed.
- 502865. Gp-6538. UNKN MGVR. United States. NSL 10/78. Cultivated. Seed.
- 502866. Gp-6606. UNKN SGVR. United States. Cultivated. Seed.
- 502867. Gp-6672. UNKN MGVR. United States. 83 CRO 471. Cultivated. Seed.
- 502868. Gp-6721. UNKN MGVR. United States. 83 CRO 481. Cultivated. Seed.
- 502869. Gp-6807. UNKN MGVR. United States. NSL 3/77. PI162912 not valid. Cultivated. Seed.
- 502870. Gp-6809. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
- 502871. Gp-6891. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
- 502872. Gp-6910. UNKN MGVR. United States. 82 BMT 9223. Cultivated. Seed.
- 502873. Gp-6927. UNKN MGVR. United States. NSL 3/77 & 83 BMT 2151. PI170020 non valid no. Cultivated. Seed.
- 502874. Gp-6955. UNKN MGVR. United States. 83 CRO 902. BRAZ-type. Cultivated. Seed.
- 502875. Gp-6956. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
- 502876. Gp-6984. UNKN MGVR. United States. NSL 10/78 Stp 177233. Cultivated. Seed.
- 502877. Gp-6998. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
- 502878. Gp-7021. UNKN MGVR. United States. 83 BMT 2164. Cultivated. Seed.
- 502879. Gp-7022. UNKN MGVR. United States. 83 CRO 946. Cultivated. Seed.
- 502880. Gp-7024. UNKN SGVR. United States. NSL 3/77. Cultivated. Seed.

502738 TO 502905-continued

502881. Gp-7090. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502882. Gp-7131. UNKN MGVR. United States. 83 CRO 908. Cultivated. Seed.
502883. Gp-7134. UNKN MGVR. United States. 83 CRC 909. Cultivated. Seed.
502884. Gp-7282. UNKN LGVR. United States. 83 CRO 876. Cultivated. Seed.
502885. Gp-7310. UNKN MGVR (PI202203 non-valid no.). United States. NSL 3/77. Cultivated. Seed.
502886. Gp-7319. UNKN SGVR (PI202917 non-valid no.). United States. NSL 10/78. Cultivated. Seed.
502887. Gp-7465. UNKN MGVR (PI209801 non-valid no.). United States. NSL 10/78. Cultivated. Seed.
502888. Gp-7519. UNKN SGVR (PI215430 non-valid no.). United States. 82 STG QT. Cultivated. Seed.
502889. Gp-7537. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502890. Gp-7541. UNKN MGVR (PI215488 non-valid no.). United States. NSL 10/78. PI215438 non-valid no. Cultivated. Seed.
502891. Gp-7637. UNKN SGVR. United States. NSL 10/78. Cultivated. Seed.
502892. Gp-7764. UNKN SGVR. United States. 83 CRO 728. Cultivated. Seed.
502893. Gp-7788. UNKN MGVR. United States. NSL 3/77. Cultivated. Seed.
502894. Gp-7894. UNKN LGVR. United States. NSL 3/77. Cultivated. Seed.
502895. Gp-7982. UNKN SGVR (PI221678 non-valid no.). United States. NSL 3/77. Cultivated. Seed.
502896. Gp-8032. UNKN MGVR (PI223362 non-valid no.). United States. NSL 3/77. Cultivated. Seed.
502897. Gp-8150. UNKN SGVR. United States. 83 CRO 588. Cultivated. Seed.

502738 TO 502905-continued

502898. Gp-8222. UNKN MGVR. United States. 83 DAV. Endosperm waxy. Cultivated. Seed.
502899. Gp-8348. UNKN SGVR. United States. 83 DAV. Cultivated. Seed.
502900. Gp-8376. UNKN MGVR. United States. 83 DAV. Probably not PI224907. Cultivated. Seed.
502901. Gp-8384. UNKN MGVR. United States. 83 DAV. Cultivated. Seed.
502902. Gp-8425. UNKN MGVR. United States. 83 DAV. Cultivated. Seed.
502903. Gp-8805. UNKN SGVR. United States. 83 DAV. Cultivated. Seed.
502904. Gp-8826. UNKN MGVR. United States. 83 DAV. Cultivated. Seed.
502905. Gp-8835. UNKN SGVR. United States. NSL 3/77. Cultivated. Seed.

502906 TO 502907. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Schmidt, J.W.; Department of Agronomy, University of Nebraska; Lincoln, Nebraska.
Received February 1986.

502906. NE80413. United States. Lovrin 13/2 Centurk 78. Similar to Siouxlant but less productive. Stem and leaf rust genes from Lovrin 13 complementing those of Centurk 78. Winter Annual. Breeding Material. Seed.
502907. NE851182. Redland. United States. Brule Composite. Contains 24 lines out of Brule homozygous or homogeneous for stem rust resistance gene 6. Winter Annual. Cultivar. Seed.

502908 TO 502911. *Arachis hypogaea* L. (Fabaceae) Peanut.

From India. Donated by ICRISAT; Patancheru.
Received March 1986.

502908. ICG 8831. A 1132. China, Peoples Repub of. Cultivated. Seed.
502909. ICG 10320. Dernut. China, Peoples Repub of. Cultivated. Seed.

502908 TO 502911-continued

502910. ICG 10332. Guangdong No. 378. China, Peoples Repub of. Cultivated. Seed.

502911. ICG 10347. China, Peoples Repub of. Cultivated. Seed.

502912. Triticum aestivum L. (Poaceae) Common wheat.

From United States. Donated by Merkle, O.G.; USDA-ARS, Plant Science & Water Conservation Laboratory; Stillwater, Oklahoma.

Received March 1986.

OK81322. Century. United States. Payne//TAM W-101/Amigo. Hard red type. Plants semi-dwarf, awned, slightly taller, 3-4cm, than TAM W-101, Chisholm, and Vona, and 1-3cm shorter than Newton. Glumes white. Comparable to Vona and TAM W-101 in weight. Maturity medium-early, similar to TAM W-101. Resistant to leaf rust, powdery mildew, and greenbug biotypes B and C. Field tolerant to Septoria leaf blotch. Bread making properties similar to TAM 105. Winter Annual. Cultivar. Seed.

502913 TO 502920. Daucus carota L. (Apiaceae).

From Austria. Donated by Landwirtschaftlich-chemische Bundesanstalt; A 4025 Linz.

Received February 1986.

502913. Duwicker. Germany, Federal Rep of. Spring Annual. Cultivar. Seed.

502914. Long red blunt. Germany, Federal Rep of. Spring Annual. Cultivar. Seed.

502915. Long red giants. Germany, Federal Rep of. Spring Annual. Cultivated. Seed.

502916. Marktgartner. Austria. Spring Annual. Cultivar. Seed.

502917. Nantaise. Germany, Federal Rep of. Spring Annual. Cultivar. Seed.

502918. Rondo. Germany, Federal Rep of. Spring Annual. Cultivar. Seed.

502919. Rotin. Germany, Federal Rep of. Spring Annual. Cultivar. Seed.

502920. Short early Duwicker. Germany, Federal Rep of. Spring Annual. Cultivated. Seed.

502921 TO 502922. *Avena sativa* L. (Poaceae) Common oat.

From United States. Donated by Stuthman, D.D.; Department of Agronomy & Plant Genetics, University of Minnesota; St. Paul, Minnesota.
Received March 1986.

502921. Mn 79229. Proat. United States. Dal/Lyon. Equal to Moore in height, slightly better lodging resistance. Better yield than Lyon but below Moore and Ogle. Groat protein percent high. Good resistance to crown rust and smut. Spring Annual. Cultivar. Seed.

502922. Mn 80116. Starter. United States. Dal/3/Mn 67231/2/Diana/CI8344/4/Noble. Plants short. Maturity early. High lodging resistance and high yield. Some resistance to crown rust and good resistance to smut. Moderately tolerant to Barley Yellow Dwarf Virus. Spring Annual. Cultivar. Seed.

502923 TO 502929. *Triticum aestivum* L. (Poaceae) Common wheat.

From Bulgaria. Donated by Donchev, N.; Institute for Wheat and Sunflower; General Toshevo, Tolbhin. Received through J.G. Moseman from PL 480 Project YO-AR-55-JB-66.
Received March 1986.

502923. N 14. Bulgaria. Landrace. Seed.

502924. N 301. Bulgaria. Landrace. Seed.

502925. Jubilejna 2. Bulgaria. Landrace. Seed.

502926. Jbilejna 3. Bulgaria. Landrace. Seed.

502927. Ockerman 17. Bulgaria. Landrace. Seed.

502928. Sadovo 1. Bulgaria. Landrace. Seed.

502929. Sadovo super. Bulgaria. Landrace. Seed.

502930 TO 502949. *Triticum aestivum* L. (Poaceae) Common wheat.

From China, Peoples Repub of. Donated by Cao, Y.; Jiangsu Academy of Agricultural Sciences; Nanjing, Jiangsu 210014.
Received March 1986.

502930. JAAS 204. Hui Shan Yang Mai. China, Peoples Repub of. Wuxi, Jiangsu. Winter Annual. Landrace. Seed.

502931. JAAS 213. Shui Li Zhan. China, Peoples Repub of. Jiangyin, Jiangsu. Winter Annual. Landrace. Seed.

502930 TO 502949-continued

502932. JAAS 219. Qiang Shui Huang. China, Peoples Repub of. Jiangyin, Jiangsu. Winter Annual. Landrace. Seed.
502933. JAAS 410. Fo Shou Mai. China, Peoples Repub of. Zhenjiang, Jiangsu. Winter Annual. Landrace. Seed.
502934. JAAS 415. Mang Xiao Mai. China, Peoples Repub of. Dantu, Jiangsu. Winter Annual. Landrace. Seed.
502935. JAAS 418. Yang La Zi. China, Peoples Repub of. Yangzhong, Jiangsu. Winter Annual. Landrace. Seed.
502936. JAAS 423. Hong Xiao Mai. China, Peoples Repub of. Yangzhong, Jiangsu. Winter Annual. Landrace. Seed.
502937. JAAS 425. Jiang Xi Zao. China, Peoples Repub of. Nanjing, Jiangsu. Winter Annual. Landrace. Seed.
502938. JAAS 429. Fang Tou Bai Mang. China, Peoples Repub of. Nanjing, Jiangsu. Winter Annual. Landrace. Seed.
502939. JAAS 430. Fang Tou Hong Mang. China, Peoples Repub of. Nanjing, Jiangsu. Winter Annual. Landrace. Seed.
502940. JAAS 431. Zao Hong Mang. China, Peoples Repub of. Jiangning, Jiangsu. Landrace. Seed.
502941. JAAS 432. Zhong Hong Mang. China, Peoples Repub of. Jiangning, Jiangsu. Winter Annual. Landrace. Seed.
502942. JAAS 435. Guang Sui Zi. China, Peoples Repub of. Jiangning, Jiangsu. Winter Annual. Landrace. Seed.
502943. JAAS 437. Da Huang Pi. China, Peoples Repub of. Jiangning, Jiangsu. Winter Annual. Landrace. Seed.
502944. JAAS 446. Zi Gan Zi. China, Peoples Repub of. Jiangpu, Jiangsu. Winter Annual. Landrace. Seed.
502945. JAAS 459. Xiao Bai Tou. China, Peoples Repub of. Luhe, Jiangsu. Winter Annual. Landrace. Seed.
502946. JAAS 463. Bai Mang. China, Peoples Repub of. Luhe, Jiangsu. Winter Annual. Landrace. Seed.
502947. JAAS 469. Hong Tou Zi. China, Peoples Repub of. Luhe, Jiangsu. Landrace. Seed.
502948. JAAS 501. Dou Huang Mei. China, Peoples Repub of. Nantong, Jiangsu. Winter Annual. Landrace. Seed.
502949. JAAS 513. Bai Chao Yu. China, Peoples Repub of. Nantong,

502930 TO 502949-continued

Jiangsu. Winter Annual. Landrace. Seed.

502950 TO 502961. *Avena sativa* L. (Poaceae) Common oat.

From United States. Donated by Simons, M.D.; Cereal & Soybean Improvement Research Unit, USDA-ARS, Iowa State University; Ames, Iowa.
Received March 1986.

- 502950. IA H382. United States. Clinton/CI 8081. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502951. IA H441. United States. Clinton/PI 311624. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502952. IA H547. United States. Clinton/PI 318282. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502953. IA H555. United States. IA X122-12/CI 8295. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502954. IA H592. United States. Clinton/PI 309560. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502955. IA H611-447. United States. Clinton2/PI 298129. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502956. IA H617. United States. Clinton2/PI 309560. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502957. IA H775. United States. Noble2/H548//Noble2/H676. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502958. IA H777. United States. IA D486//Noble2/H676. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502959. IA H778. United States. Noble2/H548//Noble2/H677. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.
- 502960. IA H779. United States. IA D486//Noble2/H677. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.

502950 TO 502961-continued

502961. IA H780. United States. IA D526//Noble2/H677. Genes from *A. sterilis* for resistance to crown rust, *Puccinia coronata*. Breeding Material. Seed.

502962 TO 502965. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. Donated by Bruns, C.; Nickerson American Plant Breeders, Inc.; Berthoud, Colorado.
Received March 1986.

502962. 2B80-529; BA 529. B1201. United States. Summit/Klages. Two row type. Juvenile growth habit erect. Rachilla, rachis and glume hairs long. Glume awns equal in length to glumes. Aleurone is colorless and hull is adhering and semiwrinkled. Adapted to intermountain west area from Montana to Washington and into Colorado. Spring Annual. Cultivar. Seed.

502963. 2B81-4038; BA 4038. B1202. United States. RPB70-268/2B75-1223//Klages. Two row type. Juvenile growth habit erect to semi-erect. Lemma awns long, rough. Rachilla, rachis and glume hairs long. Glumes covered with hair, awns equal in length to glumes. Aleurone colorless and hull is adhering and semiwrinkled. Adapted to intermountain west area from Montana to Washington and into Colorado. Spring Annual. Cultivar. Seed.

502964. 6B80-761; Busch -2. B1601. United States. M-30/6B75-1374B. Six row type. Juvenile growth habit erect. Lemma awns long, rough. Rachilla and rachis hairs long. Glumes covered with long hairs, awns longer than glumes. Aleurone is colorless and hull is adhering and semiwrinkled. Seeds plump. Yield high. Adapted to upper midwest. Spring Annual. Cultivar. Seed.

502965. 6B82-2870. B1602. United States. Bumper/6B78-628//Morex/6B78-628. Six row type. Juvenile growth habit erect. Lemma awns long, rough. Rachilla and rachis hairs long. Glumes covered with long hairs, awns longer than glumes. Aleurone is colorless and hull is adhering and slightly wrinkled. Adapted to upper midwest. Spring Annual. Cultivar. Seed.

502966. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Bruns, C.; Nickerson American Plant Breeders, Inc.; Berthoud, Colorado.
Received March 1986.

HS81-55. Celtic. United States. Composite selection.

502966-continued

Hard red type. Juvenile growth habit erect. Plants tall semidwarf, with very good lodging resistance. Maturity early to medium. Chaff white. Heads awned, tapering to strap and lax. Yield good. Moderately resistant to leaf rust. Resistant to stem rust. Good milling and baking qualities. Adapted to upper midwest. Spring Annual. Cultivar. Seed.

502967 TO 502969. *Oryza sativa* L. (Poaceae) Rice.

From United States. Donated by Bollich, C.N.; Rice Research Station, USDA-ARS; Beaumont, Texas.
Received March 1985.

502967. Gulfmont. United States. Lebonnet//CI 9881/PI 331581. Long grain type. Plants semidwarf and closely resemble Lemont in morphology. Good ratooning ability. Highly resistant to lodging. Maturity several days earlier than Lemont. Grain yield potential excellent. Threshing is difficult. Milling quality excellent. Cooking and processing qualities good. Highly resistant to blast. Resistant to brown spot, straighthead. Moderately resistant to panicle blight. Moderately susceptible to narrow brown leaf spot. Very susceptible to sheath blight. Cultivar. Seed.

502968. Rexmont. United States. Newrex/Bellefont. Long grain type. Plants semidwarf and closely resemble Bellefont, Lemont and Gulfmont. Maturity early. Spikelet straw-colored, glabrous, awnless. Ratooning ability below Lemont. Extremely resistant to lodging. Grain yield high. Markedly superior in quick-cooking, soup properties. Possesses dry, fluffy characteristics. Resistant only to IH-1 race of blast. Resistant to panicle-blight, brown spot, straighthead. Very susceptible to sheath blight. Cultivar. Seed.

502969. RU 8203141. Rico 1. United States. Nortai//CI 9545/Nova. Medium grain type. Plants 98cm tall, closely resemble Brazos in morphology. Matures same time as Mars and Brazos. More resistant to lodging than Pecos, Nato. Yield excellent. Cooking and processing similar to traditional medium grain uses. Resistant to race IB-54 of rice blast fungus. Moderately resistant to field blast. Highly resistant to hoja blanca. Moderately susceptible to sheath blight. Susceptible to straighthead. Adapted to southern US and Puerto Rico. Cultivar. Seed.

502970 TO 502971. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Patterson, F.L.; Agronomy

502970 TO 502971-continued

Department, Purdue University; West Lafayette, Indiana.
Received March 1986.

502970. IN 657C1-23R-3-6-2-2-1-2. Kay. United States. 'Riley 67' sib*2/PI 94587. Soft red type. Plants medium green. Spikes medium lax, tapering, awnletted, yellow. Resistant to Hessian fly biotypes A,B, and C. Winter Annual. Cultivar. Seed.

502971. IN 6549A8-101-16-11. ClaraFay. United States. Arthur/4/ (IN 553=IN 4746/'Knox 62' sib)/3/Arthur/2/'Benhur' sib/'Agatha'. Soft red type. Plants medium green. Spikes medium lax, tapering, awnletted, yellow. Resistant to Hessian fly biotypes A,B, and C. Winter Annual. Cultivar. Seed.

502972. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. Donated by Lafever, H.N.; Department of Agronomy, Ohio State University; Wooster, Ohio.
Received April 1986.

OH 77-7. Ray. United States. Jotun/4* Dayton. Plants to 86.4cm tall. Resistant to lodging. Yield high. Straw strength excellent. Winter Annual. Cultivar. Seed.

502973. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Donated by Lafever, H.N.; Department of Agronomy, Ohio State University; Wooster, Ohio.
Received April 1986.

OH 244. Cardinal. United States. Logan *2/3/Va63-5-12/ Logan//Blueboy. Soft red type. Plants 86cm tall. Resistant to lodging. Yield high. Very tolerant to aluminum. Very resistant to leaf rust. Moderately tolerant to mildew. Milling quality excellent. Baking quality good. Winter Annual. Cultivar. Seed.

502974. *Triticum spelta* L. (Poaceae) Spelt.

From United States. Donated by Lafever, H.N.; Department of Agronomy, Ohio State University; Wooster, Ohio.
Received April 1986.

18873-1. Champ. United States. WW1001-1/Ardenne. Plants awnless with brown chaff. Glumes do not thresh free. Used primarily as a feed grain. Winter Annual. Cultivar. Seed.

502975 TO 502988. *Cicer arietinum* L. (Fabaceae) Chickpea.

From India. Donated by Haware, M.P.; ISRISAT; Patancheru.
Received through Regional Plant Introduction Station,
Pullman, Washington.
Received January 1986.

- 502975. ICC-4. India. Desi type. Plants medium-sized, semi-upright. Flowers purple. Cultivated. Seed.
- 502976. ICCL-83004. India. Kabuli type. Plants medium-sized. Flowers white. Cultivated. Seed.
- 502977. ICCL-83006. India. Kabuli type. Plants medium-sized, semi-prostrate. Flowers white. Cultivated. Seed.
- 502978. ICCL-83009. India. Kabuli type. Plants medium-sized. Flowers white. Cultivated. Seed.
- 502979. ICC-4954. India. Desi type. Plants medium-sized. Flowers purple. Cultivated. Seed.
- 502980. ICC-5003. India. Desi type. Plants small, upright. Flowers purple. Cultivated. Seed.
- 502981. ICC-10136. India. Desi type. Plants small, semi-upright. Flowers purple. Resistant to Fusarium wilt. Cultivated. Seed.
- 502982. ICC-11320. India. Desi type. Plants small, semi-upright. Flowers purple. Resistant to Fusarium wilt. Cultivated. Seed.
- 502983. ICC-11321. India. Desi type. Plants medium-sized, semi-upright. Flowers purple. Resistant to Fusarium wilt. Cultivated. Seed.
- 502984. ICC-11322. India. Desi type. Plants medium-sized, semi-upright. Flowers purple. Resistant to Fusarium wilt. Cultivated. Seed.
- 502985. ICC-11324. India. Desi type. Plants medium-sized. Flowers purple. Resistant to Fusarium wilt. Cultivated. Seed.
- 502986. ICC-12252. India. Desi type. Plants medium-sized, semi-upright. Flowers purple. Resistant to Fusarium wilt. Cultivated. Seed.
- 502987. ICC-12273. India. Desi type. Plants medium-sized, semi-upright. Flowers purple. Resistant to Fusarium wilt. Cultivated. Seed.
- 502988. GL-769. India. Plants medium-sized, semi-upright.

502975 TO 502988-continued

Flowers purple. Cultivated. Seed.

502989 TO 503031. *Cicer arietinum* L. (Fabaceae) Chickpea.

From United States. Donated by Ison, W.H.; Agricultural Extension Service, University of California; Riverside, California. Received through Regional Plant Introduction Station, Pullman, Washington. Received January 1986.

- 502989. Blanco Cordobes. Mexico. Kabuli type. Plants large, semi-prostrate. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502990. Blanco Lechoso. Spain. Kabuli type. Plants large. Leaves simple. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502991. Hermosillo. Mexico. Kabuli type. Plants large. Leaves simple. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502992. Hermosillo B. United States. Selection from Hermosillo. Kabuli type. Plants large. Leaves simple. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502993. Hillo. Mexico. Kabuli type. Plants large. Leaves simple. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502994. Syria. Aleppo. ICARDA. ILC 102. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
- 502995. Macarena. Mexico. Kabuli type. Plants large. Leaves simple. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502996. Mission. United States. Selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502997. Pitic. Mexico. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502998. Portugal. Portugal. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 502999. Santo Domingo. Mexico. Kabuli type. Plants medium-sized, semi-upright. Flowers white. Seeds large, cream colored. Cultivar. Seed.
- 503000. Sonora 80. Mexico. Kabuli type. Plants large. Flowers

502989 TO 503031-continued

- white. Seeds large, cream colored. Cultivar. Seed.
503001. Sonora 80B. United States. Selection from Sonora 80. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
503002. Suratno 77. Mexico. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
503003. Union. Mexico. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
503004. Union B. United States. Selection from Union. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
503005. White Spanish. United States. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
503006. Zecta Inia. Chile. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivar. Seed.
503007. 704061. Chile. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503008. 764168. Chile. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503009. 764175. Chile. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503010. 773303. Chile. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503011. 80 Cal 196. India. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503012. L1855. India. Kabuli type. Plants large, upright. Flowers white. Seeds small, cream colored. Cultivated. Seed.
503013. GR 351. Morocco. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503014. GR 386. Morocco. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503015. G79-54. United States. Selection from Mission. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503016. G79-86-1. United States. Selection from Mission. Kabuli type. Plants large. Flowers white. Seeds large, cream

502989 TO 503031-continued

- colored. Cultivated. Seed.
503017. G79-103. United States. Selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503018. G79-104. United States. Selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503019. G79-128. United States. Selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503020. G79-132. United States. Selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503021. G80-4. United States. Selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503022. G80-5. United States. Selection from Macarena. Desi type. Plants large. Flowers purple. Seeds medium-sized, brown. Cultivated. Seed.
503023. G80-7. United States. Selection from Hermosillo. Kabuli type. Plants medium-sized. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503024. G80-10. United States. Selection from Macarena. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503025. G80-11. United States. Selection from Macarena. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503026. G80-12. United States. Selection from Macarena. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503027. G80-13. United States. Selection from Macarena. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503028. G80-14. United States. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.
503029. G81-1. United States. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.

502989 TO 503031-continued

503030. G81-2. United States. Santa Maria selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.

503031. G81-8. United States. Selection from White Spanish. Kabuli type. Plants large. Flowers white. Seeds large, cream colored. Cultivated. Seed.

503032. *Hibiscus tiliaceus* L. (Malvaceae).

From Malaysia. Donated by Yap, S.K.; Forest Research Institute; Kepong, Selangor, Semenanjung.
Received November 1985.

Malaysia. Collected October 17, 1985. Beach of Port Dickson, Negri Sembilan. Wild. Seed.

503033 TO 503139. *Oryza sativa* L. (Poaceae) Rice.

From United States. Donated by Groth, D.E.; Rice Research Station, Louisiana State University; Crowley, Louisiana.
Received February 1986.

503033. DG84007. Wan Li Xian. China, Peoples Repub of. Cultivar. Seed.

503034. DG84009. Ding Ting Wan. China, Peoples Repub of. Cultivar. Seed.

503035. DG84010. Hunan late Indica No. 2. China, Peoples Repub of. Cultivar. Seed.

503036. DG84011. Chao Lang 1 Hao. China, Peoples Repub of. Cultivar. Seed.

503037. DG84012. Er Jiu Qing. China, Peoples Repub of. Cultivar. Seed.

503038. DG84015. Qing Gan Huang. China, Peoples Repub of. Cultivar. Seed.

503039. DG84016. Zhen Long 13. China, Peoples Repub of. Cultivar. Seed.

503040. DG84018. Cha Shan Jing. China, Peoples Repub of. Cultivar. Seed.

503041. DG84021. Ai Huang Zhong. China, Peoples Repub of. Cultivar. Seed.

503033 TO 503139-continued

503042. DG84022. Ai Gang 23. China, Peoples Repub of. Cultivar. Seed.
503043. DG84023. Nong Hong 73. China, Peoples Repub of. Cultivar. Seed.
503044. DG84024. Nong Hu 6 Hao. China, Peoples Repub of. Cultivar. Seed.
503045. DG84025. Jing Keng 19. China, Peoples Repub of. Cultivar. Seed.
503046. DG84026. Shuang Ai Nuo. China, Peoples Repub of. Cultivar. Seed.
503047. DG84027. Wu Zui Nuo. China, Peoples Repub of. Cultivar. Seed.
503048. DG84028. Lao Hu Dao. China, Peoples Repub of. Cultivar. Seed.
503049. DG84029. Tai Hu Qing. China, Peoples Repub of. Cultivar. Seed.
503050. DG84030. Ai Da Zhong. China, Peoples Repub of. Cultivar. Seed.
503051. DG84161. Colombia. Cali. CIAT. 14757. CICA7//5461/4414. Cultivated. Seed.
503052. DG84162. Colombia. Cali. CIAT. 14926. CICA7//IR36/4422. Cultivated. Seed.
503053. DG84163. Colombia. Cali. CIAT. 15720. Bg 90-2//K8/Bahagia. Cultivated. Seed.
503054. DG84164. Colombia. Cali. CIAT. 15742. 4440//Bg 90-2/SML5617. Cultivated. Seed.
503055. DG84165. Colombia. Cali. CIAT. 15775. 4440//Bg 90-2/IR22. Cultivated. Seed.
503056. DG84166. Colombia. Cali. CIAT. 15811. 4440//Bg 90-2/Colombia 1. Cultivated. Seed.
503057. DG84167. Colombia. Cali. CIAT. 15843. 4440//Bg 90-2/Bahagia. Cultivated. Seed.
503058. DG84168. Colombia. Cali. CIAT. 15886. CICA7//Bg 90-2/K8. Cultivated. Seed.
503059. DG84169. Colombia. Cali. CIAT. 15889. CICA7//Bg 90-2/K8.

503033 TO 503139-continued

Cultivated. Seed.

503060. DG84171. Colombia. Cali. CIAT. 15906. CICA7//Bg 90-2/K-8.
Cultivated. Seed.
503061. DG84172. Colombia. Cali. CIAT. 16158. CICA4//Bg 90-2/
S.M.L. 56/7. Cultivated. Seed.
503062. DG84174. Colombia. Cali. CIAT. 16221. CICA9//4440/
Remedja. Cultivated. Seed.
503063. DG84175. Colombia. Cali. CIAT. 16252. CICA7//4440/
Remedja. Cultivated. Seed.
503064. DG84176. Colombia. Cali. CIAT. 16267. CICA7//4440/
Remedja. Cultivated. Seed.
503065. DG84177. Colombia. Cali. CIAT. 16280. CICA7//4440/
Remedja. Cultivated. Seed.
503066. DG84179. Colombia. Cali. CIAT. 16396. CICA7//4440/Pelita
1/1. Cultivated. Seed.
503067. DG84180. Colombia. Cali. CIAT. 16404. CICA7//4440/Pelita
1/1. Cultivated. Seed.
503068. DG84181. Colombia. Cali. CIAT. 16438. CICA7//4440/Pelita
1/1. Cultivated. Seed.
503069. DG84182. Colombia. Cali. CIAT. 16439. CICA7//4440/Pelita
1/1. Cultivated. Seed.
503070. DG84183. Colombia. Cali. CIAT. 16492. CICA7//4440/Pelita
1/1. Cultivated. Seed.
503071. DG84184. Colombia. Cali. CIAT. 16493. CICA7//4440/Pelita
1/1. Cultivated. Seed.
503072. DG84185. Colombia. Cali. CIAT. 16497. CICA7//4440/Pelita
1/1. Cultivated. Seed.
503073. DG84186. Colombia. Cali. CIAT. 16776. O.S. 6-1
Irradiated Dwarf. Cultivated. Seed.
503074. DG84187. Colombia. Cali. CIAT. 16809. O.S. 6-2
Irradiated Dwarf. Cultivated. Seed.
503075. DG84188. Colombia. Cali. CIAT. 16825. O.S. 6-3
Irradiated Dwarf. Cultivated. Seed.
503076. DG84189. Colombia. Cali. CIAT. 16838. O.S. 6-4
Irradiated Dwarf. Cultivated. Seed.

503033 TO 503139-continued

503077. DG84190. Colombia. Cali. CIAT. 16850. IAC 25-1
Irradiated Dwarf. Cultivated. Seed.
503078. DG84191. Colombia. Cali. CIAT. 16956. IAC 25-2
Irradiated Dwarf. Cultivated. Seed.
503079. DG84192. Colombia. Cali. CIAT. 16862. IAC 25-3
Irradiated Dwarf. Cultivated. Seed.
503080. DG84193. Colombia. Cali. CIAT. 16863. IAC 25-4
Irradiated Dwarf. Cultivated. Seed.
503081. DG84194. Colombia. Cali. CIAT. 16868. IAC 25-5
Irradiated Dwarf. Cultivated. Seed.
503082. DG84195. Colombia. Cali. CIAT. 16871. IAC 25-6
Irradiated Dwarf. Cultivated. Seed.
503083. DG84196. Colombia. Cali. CIAT. 16877. Tetep 1 Irradiated
Dwarf. Cultivated. Seed.
503084. DG84197. Colombia. Cali. CIAT. 16890. Tetep 2 Irradiated
Dwarf. Cultivated. Seed.
503085. DG84200. Colombia. Cali. CIAT. 17000. Tapuripa-3
Irradiated Dwarf. Cultivated. Seed.
503086. DG84203. Colombia. Cali. CIAT. 17062. Tapuripa-6
Irradiated Dwarf. Cultivated. Seed.
503087. DG84206. Colombia. Cali. CIAT. 17165. Tadukan 1
Irradiated Dwarf. Cultivated. Seed.
503088. DG84208. Colombia. Cali. CIAT. 17327. CICA7//5461/CICA4.
Cultivated. Seed.
503089. DG84209. Colombia. Cali. CIAT. 17330. CICA7//5461/CICA4.
Cultivated. Seed.
503090. DG84210. Colombia. Cali. CIAT. 17335. CICA7//5461/CICA4.
Cultivated. Seed.
503091. DG84211. Colombia. Cali. CIAT. 17341. CICA7//5461/CICA4.
Cultivated. Seed.
503092. DG84212. Colombia. Cali. CIAT. 17343. CICA7//5461/CICA4.
Cultivated. Seed.
503093. DG84213. Colombia. Cali. CIAT. 17345. CICA7//5461/CICA4.
Cultivated. Seed.
503094. DG84214. Colombia. Cali. CIAT. 17347. CICA7//5461/CICA4.

503033 TO 503139-continued

Cultivated. Seed.

503095. DG84215. Colombia. Cali. CIAT. 17349. CICA7//5461/CICA4.
Cultivated. Seed.
503096. DG84216. Colombia. Cali. CIAT. 17351. CICA7//5461/CICA4.
Cultivated. Seed.
503097. DG84217. Colombia. Cali. CIAT. 17354. CICA7//5461/CICA4.
Cultivated. Seed.
503098. DG84218. Colombia. Cali. CIAT. 17355. CICA7//5461/CICA4.
Cultivated. Seed.
503099. DG84219. Colombia. Cali. CIAT. 17358. CICA7//5461/CICA4.
Cultivated. Seed.
503100. DG84220. Colombia. Cali. CIAT. 17361. CICA7//5461/CICA4.
Cultivated. Seed.
503101. DG84221. Colombia. Cali. CIAT. 17379. CICA7//5461/4440.
Cultivated. Seed.
503102. DG84222. Colombia. Cali. CIAT. 17388. CICA7//5461/4414.
Cultivated. Seed.
503103. DG84223. Colombia. Cali. CIAT. 17391. CICA7//5461/IR22.
Cultivated. Seed.
503104. DG84224. Colombia. Cali. CIAT. 17396. CICA7//IR36/CICA9.
Cultivated. Seed.
503105. DG84225. Colombia. Cali. CIAT. 17398. CICA7//IR36/CICA9.
Cultivated. Seed.
503106. DG84226. Colombia. Cali. CIAT. 17400. CICA7//IR36/CICA9.
Cultivated. Seed.
503107. DG84227. Colombia. Cali. CIAT. 17406. CICA7//IR36/CICA9.
Cultivated. Seed.
503108. DG84228. Colombia. Cali. CIAT. 17410. CICA7//IR36/CICA9.
Cultivated. Seed.
503109. DG84229. Colombia. Cali. CIAT. 17412. CICA7//IR36/CICA9.
Cultivated. Seed.
503110. DG84230. Colombia. Cali. CIAT. 17433. 5461/IR22//IR36/
CICA9. Cultivated. Seed.
503111. DG84232. Colombia. Cali. CIAT. 17446. 5461/4440//IR36/
CICA7. Cultivated. Seed.

503033 TO 503139-continued

503112. DG84233. Colombia. Cali. CIAT. 17468. M.I. 48-1
Irradiated Dwarf. Cultivated. Seed.
503113. DG84234. Colombia. Cali. CIAT. 17501. M.I. 48-2
Irradiated Dwarf. Cultivated. Seed.
503114. DG84235. Colombia. Cali. CIAT. 17507. Carreon-1
Irradiated Dwarf. Cultivated. Seed.
503115. DG84236. Colombia. Cali. CIAT. 17510. PI 184675-1
Irradiated Dwarf. Cultivated. Seed.
503116. DG84237. Colombia. Cali. CIAT. 17511. PI 184675-2
Irradiated Dwarf. Cultivated. Seed.
503117. DG84238. Colombia. Cali. CIAT. 17630. Bahagia-1
Irradiated Dwarf. Cultivated. Seed.
503118. DG84239. Colombia. Cali. CIAT. 17631. Bahagia-2
Irradiated Dwarf. Cultivated. Seed.
503119. DG84240. Colombia. Cali. CIAT. 17632. Bahagia-3
Irradiated Dwarf. Cultivated. Seed.
503120. DG84241. Colombia. Cali. CIAT. 19900. Composite.
Cultivated. Seed.
503121. DG84242. Colombia. Cali. CIAT. 19907. Bg 90-2//K8/
Bahagia. Cultivated. Seed.
503122. DG84243. Colombia. Cali. CIAT. 19909. Bg 90-2//K8/
Bahagia. Cultivated. Seed.
503123. DG84244. Colombia. Cali. CIAT. 19918. 4440//Bg 90-2/
S.M.L. 57/7. Cultivated. Seed.
503124. DG84245. Colombia. Cali. CIAT. 19928. 4440//Bg 90-2/IR22.
Cultivated. Seed.
503125. DG84246. Colombia. Cali. CIAT. 19931. 4440//Bg 90-2/
Pelita 1/1. Cultivated. Seed.
503126. DG84247. Colombia. Cali. CIAT. 19934. 4440//Bg 90-2/
Pelita 1/1. Cultivated. Seed.
503127. DG84248. Colombia. Cali. CIAT. 19936. 4440//Bg 90-2/
Pelita 1/1. Cultivated. Seed.
503128. DG84249. Colombia. Cali. CIAT. 19938. 4440//Bg 90-2/
Pelita 1/1. Cultivated. Seed.
503129. DG84250. Colombia. Cali. CIAT. 19942. 4440/Bg 90-2/

503033 TO 503139-continued

Bahagia. Cultivated. Seed.

503130. DG84251. Colombia. Cali. CIAT. 19947. 4440//Bg 90-2/
Bahagia. Cultivated. Seed.
503131. DG84252. Colombia. Cali. CIAT. 19950. CICA7//Bg 90-2/K8.
Cultivated. Seed.
503132. DG84254. Colombia. Cali. CIAT. 19953. CICA7//Bg 90-2/K8.
Cultivated. Seed.
503133. DG84255. Colombia. Cali. CIAT. 19954. CICA7//Bg 90-2/K8.
Cultivated. Seed.
503134. DG84256. Colombia. Cali. CIAT. 19957. CICA7//Bg 90-2/K8.
Cultivated. Seed.
503135. DG84257. Colombia. Cali. CIAT. 19958. CICA7//Bg 90-2/K8.
Cultivated. Seed.
503136. DG84258. Colombia. Cali. CIAT. 19959. 4440//Bg 90-2/K8.
Cultivated. Seed.
503137. DG84259. Colombia. Cali. CIAT. D19965. 4440//Bg 90-2/K8.
Cultivated. Seed.
503138. DG84260. Colombia. Cali. CIAT. 19970. 4440//Bg 90-2/K8.
Cultivated. Seed.
503139. DG84261. Colombia. Cali. CIAT. 19971. 4440//Bg 90-2/K8.
Cultivated. Seed.

503140. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From United States. Donated by Cramp, D.C.; Temecula, California.
Received April 1986.

Wonder. Italy. Collected by E. McGinnis Darby. Pods to
30.5cm long. Heirloom variety. Cultivated. Seed.

503141 TO 503142. *Vernonia galamensis* var. *australis* M. Gilbert
(Asteraceae).

From United States. Donated by Germplasm Introduction and
Evaluation Laboratory, USDA-ARS; Beltsville, Maryland.
Received April 1986.

503141. GMC 1548. Malawi. Latitude: 16 deg 02 m S; Longitude:
035 deg 38 m E. Collected May 26, 1984. Mofolu's garden,
Mulima, Mulanje. 900m. Collected by G.M. Christenson and
I.H. Patel. Herb to 1.4m tall. Florets blue-purple,

503141 TO 503142-continued
pappus sordid. Wild. Seed.

503142. GMC 1563. Malawi. Latitude: 16 deg 01 m S; Longitude: 035 deg 28 m E. Collected May 28, 1984. *Cassia siamea* woods, near road, Wasi, Mulanje. 900m. Collected by G.M. Christenson and I.H. Patel. Herb to 1.4m tall. Florets blue- purple, pappus sordid. Wild. Seed.

503143 TO 503144. *Anthyllis vulneraria* subsp. *polyphylla* (DC.) Nyman (Fabaceae).

From Soviet Union. Donated by VIR; Leningrad.
Received February 1986.

503143. VIR 36032. Soviet Union. Pskov Region, USSR. Received as *Anthyllis polyphylla*. Wild. Seed.

503144. VIR 43343. Soviet Union. North Caucasus. Received as *Anthyllis polyphylla*. Wild. Seed.

503145 TO 503148. *Medicago lupulina* L. (Fabaceae) Black medic.

From Soviet Union. Donated by VIR; Leningrad.
Received February 1986.

503145. VIR 31076. Soviet Union. Lithuanian SSR. Wild. Seed.

503146. VIR 38398. Soviet Union. Turkmen SSR. Wild. Seed.

503147. VIR 41990. Soviet Union. Azerbaijan SSR. Wild. Seed.

503148. VIR 44035. Soviet Union. Krasnodar Territory, USSR. Wild. Seed.

503149 TO 503150. *Oryza sativa* L. (Poaceae) Rice.

From Italy. Donated by Fossati, G.; Ente Nazionale Risi, Centro di Ricerche sol Riso; 27036 Mortara. Received through National Small Grain Collection, USDA-ARS, Beltsville, Maryland.
Received February 1986.

503149. Novile. Italy. Cultivar. Seed.

503150. M-16. Italy. Cultivated. Seed.

503151 TO 503156. *Oryza sativa* L. (Poaceae) Rice.

From China, Peoples Repub of. Donated by Crop Germplasm Resources

503151 TO 503156-continued

Institute, Chinese Academy of Agricultural Sciences;
Beijing. Received through National Small Grain
Collection, USDA-ARS, Beltsville, Maryland.
Received February 1986.

- 503151. Ai two gu 151. China, Peoples Repub of. Beijing.
Cultivar. Seed.
- 503152. Du jiang yu. China, Peoples Repub of. Beijing. Cultivar.
Seed.
- 503153. Gu er Zi. China, Peoples Repub of. Beijing. Cultivar.
Seed.
- 503154. Lou heio gu heu. China, Peoples Repub of. Beijing.
Cultivar. Seed.
- 503155. Lu Ching #17. China, Peoples Repub of. Beijing. Cultivar.
Seed.
- 503156. Shang gu xu. China, Peoples Repub of. Beijing. Cultivar.
Seed.

503157 TO 503161. Oryza sativa L. (Poaceae) Rice.

From Hungary. Donated by Simon, I.K.; Research Institute for
Irrigation; 5540 Szarvas. Received through National Small
Grain Collection, USDA-ARS, Beltsville, Maryland.
Received February 1986.

- 503157. G-158. Hungary. Cultivated. Seed.
- 503158. GK-82. Hungary. Cultivated. Seed.
- 503159. M-15. Hungary. Cultivated. Seed.
- 503160. Mutashali. Hungary. Cultivar. Seed.
- 503161. Szarvasi varcsu. Hungary. Cultivar. Seed.

503162 TO 503165. Oryza sativa L. (Poaceae) Rice.

From United States. Donated by National Small Grain Collection,
USDA-ARS; Beltsville, Maryland.
Received February 1986.

- 503162. Chuan noug xe 422. Cultivar. Seed.
- 503163. Jin tan 6" Za'. Cultivar. Seed.
- 503164. Lu gu heu. Cultivar. Seed.

503162 TO 503165-continued

503165. Quing ma shan. Cultivar. Seed.

503166 TO 503201. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. Donated by IRRI; Manila. Received through National Small Grain Collection, USDA-ARS, Beltsville, Maryland.

Received February 1986.

503166. BPI Ri-6. Secondary identification USI 9461. Cultivated. Seed.

503167. Chan dina. Cultivar. Seed.

503168. Cheng air 8' Leo. Cultivar. Seed.

503169. UPL Ri-5. Secondary identification USI 9423. Cultivated. Seed.

503170. UPL Ri-7. Secondary identification USI 9408. Cultivated. Seed.

503171. HB 639. IR 8866-30-1-4. Cultivated. Seed.

503172. HB 640. IR 9202-5-2-2-2. Cultivated. Seed.

503173. IET 3093. RP6-516-29-1-4-1-1. Cultivated. Seed.

503174. IET 5121. RP825-71-4-10. Cultivated. Seed.

503175. IRRI 5999. Pankari 203. Cultivar. Seed.

503176. IRRI 8731. Secondary identification UCP 31. Cultivated. Seed.

503177. IRRI 10233. Cultivated. Seed.

503178. IPRI 14976. Cultivated. Seed.

503179. IRRI 15406. Sinna Sivappu. Cultivar. Seed.

503180. IRRI 26956. Cultivated. Seed.

503181. IRRI 28451. Secondary identification 368. Cultivated. Seed.

503182. IRRI 32695. IR 2058-78-1-3. Cultivated. Seed.

503183. IRRI 34390. Early Tong-il. Cultivar. Seed.

503184. IRRI 39247. CR 157-392-4. Cultivated. Seed.

503166 TO 503201-continued

503185. IRRI 39382. IR 4791-89. Cultivated. Seed.
503186. IRRI 39577. Cultivated. Seed.
503187. IRRI 46597. Cultivated. Seed.
503188. IRRI 50372. IRI 344. Cultivated. Seed.
503189. IRRI 50380. Suweon 290. Korea, Republic of. Cultivated. Seed.
503190. IRRI 55427. Milyang 51. Cultivar. Seed.
503191. IRRI 57618. Milyang 48. Cultivar. Seed.
503192. IRRI 57619. Milyang 50. Cultivar. Seed.
503193. IRRI 57620. Milyang 52. Cultivar. Seed.
503194. OYT 5197. IR 15797-74-1-3-2. Cultivated. Seed.
503195. OYT 7910. IR 9884-54-3. Cultivated. Seed.
503196. RYT 1034. IR 13427-40-2-3-3-3. Cultivated. Seed.
503197. RYT 1098. IR 15723-45-3-2-2-2. Cultivated. Seed.
503198. RYT 1204. IR 15323-78-1-3-1. Cultivated. Seed.
503199. RYT 1440. IR 15529-253-2-2-2. Cultivated. Seed.
503200. RYT 1916. IR 13429-299-2-1. Secondary identification IR 60. Cultivated. Seed.
503201. RYT 1920. IR 15795-151-2-3-2-2. Cultivated. Seed.

503202 TO 503206. *Helianthus atrorubens* L. (Asteraceae) Hairy wood sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

503202. 1891. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 46, 4.6km SE of Danielstown, Brunswick County, Virginia. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in cleared area along railroad tracks and woods in black sandy loam. Population large, scattered. Collection from

503202 TO 503206-continued

100 plants. No rust. Wild. Seed.

503203. 1893. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 616N, 18.2km N and 6.4km E of Danielstown, Brunswick County, Virginia. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on edge of moist pine woods in disturbed area in sand. Population small. Collection from 10-12 plants. Wild. Seed.

503204. 1898. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 405, 6.1km E of McKinney, Dinwiddie County, Virginia. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on edge of slash and burn pine woods in open area along roadside in sand. Population small. Collection from 3-4 plants. Possible hybrid between *H. atrorubens* and *H. giganteus*. Wild. Seed.

503205. 1901. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 460, 6.4km SW of Waverly, Sussex County, Virginia. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of slash and burn area of pine woods in sand. Population small. Collection from 10-15 plants. Wild. Seed.

503206. 1902. United States. Latitude: 37 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 40, 29.6km NE of Waverly, Surry County, Virginia. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of slash and burn area of pine woods in sand. Population large, scattered. Collection from 50 plants. Wild. Seed.

503207 TO 503208. *Helianthus decapetalus* L. (Asteraceae) Thinleaf sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1985.

503207. 1914. United States. Latitude: 41 deg N; Longitude: 074 deg W. Collected October 22, 1985. Hwy 17N, 6.1km S of Harriman, Orange County, New York. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside in mixed hard woods in rich loam. Collection from 10 plants. Leaves glaucous and glabrous below, pubescent above. Wild. Seed.

503208. 1920. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 55E, 0.8km W of

503207 TO 503208-continued

Gaylordsville, Litchfield County, Connecticut. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along wooded roadside, partly in woods. Population small. Collection from 10 plants. Wild. Seed.

503209 TO 503218. *Helianthus divaricatus* L. (Asteraceae).

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

- 503209.** 1873. United States. Latitude: 37 deg N; Longitude: 080 deg W. Collected October 16, 1985. Hwy 42, 2.7km W of New Castle, Craig County, Virginia. Collected by G. Seiler, and D. Skoric. Plants growing along wooded roadside bank, in shale outcrop. Population small, scattered. Collection from 15 plants. Wild. Seed.
- 503210.** 1876. United States. Latitude: 37 deg N; Longitude: 079 deg W. Collected October 16, 1985. Hwy 43, 5.8km S of Buchanan, Botetourt County, Virginia. Collected by G. Seiler, and D. Skoric. Plants growing along wooded roadside slope, in shale outcrop. Population scattered. Collection from 25 plants. Wild. Seed.
- 503211.** 1881. United States. Latitude: 38 deg N; Longitude: 080 deg W. Collected October 17, 1985. Hwy 219, 10.7km N of Penick, Greenbrier County, West Virginia. Collected by G. Seiler, and D. Skoric. Plants growing along steep slope at edge of open woods in loam and clay. Population scattered. Collection from 20 plants. Wild. Seed.
- 503212.** 1885. United States. Latitude: 38 deg N; Longitude: 079 deg W. Collected October 17, 1985. Smoke Home Road off Hwy 28N, near cabins, Grant County, West Virginia. Collected by G. Seiler, and D. Skoric. Plants growing near wooded area on steep roadside bank in clay loam. Collection from 20 plants. Wild. Seed.
- 503213.** 1915. United States. Latitude: 41 deg N; Longitude: 074 deg W. Collected October 22, 1985. Hwy 17N, mile marker 13.01, 6.1km S of Harriman, New York. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on W side of road in steep bank near woods, in rocky soil. Population large, scattered. Collection from 50 plants. Wild. Seed.
- 503214.** 1917. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 218N, marker 10.69, 2.7km S of Cornwall-on-the-Hudson, Putnam Co., NY.

503209 TO 503218-continued

Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on steep slope at edge of woods. Population large, scattered. Collection from 50 plants. Seed set good. Wild. Seed.

- 503215.** 1923. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 4W, 8.0km W of Goshen town line, Litchfield Co., CT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along rocky roadside slope near woods in sand. Collection from 50 plants. All stems purple. Wild. Seed.
- 503216.** 1948. United States. Latitude: 41 deg N; Longitude: 071 deg W. Collected October 26, 1985. Hwy 28W, 91m E of Waughkonk Rd., 6.4km W of Kingston, Ulster Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of woods in rocky soil. Wild. Seed.
- 503217.** 1955. United States. Latitude: 40 deg N; Longitude: 077 deg W. Collected October 26, 1985. Near Dormgold, 200m S of junction of Hwy 34N and 850, Perry Co., PA. Collected by G. Seiler, W. Roath and D. Skoric. Plants growing in steep roadside slope in rocky shale. Population very large, scattered. Collection from 50 plants. Wild. Seed.
- 503218.** 1956. United States. Latitude: 40 deg N; Longitude: 077 deg W. Collected October 27, 1985. Hwy 305E, 3.7km E of McAllveys Ford, Huntindon County, PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in steep roadside ditch at edge of woods in rocky soil. Population small. Collection from 10 plants. No rust. Wild. Seed.

503219 TO 503224. Helianthus giganteus L. (Asteraceae) Giant sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

- 503219.** 1878. United States. Latitude: 37 deg N; Longitude: 080 deg W. Collected October 17, 1985. Hwy 16, Greenbrier River, by Anthony, Greenbrier Co., WV. Collectors G. Seiler, and D. Skoric. Plants growing along river in wooded area in sand. Population large. Collection from 50 plants. Typical cluster type roots. Wild. Seed.
- 503220.** 1889. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 1, 2.7km SE of McKinney, Dinwiddie Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in cleared roadside near open pine woods in rocky sand. Population large.

503219 TO 503224-continued

Collection from 30 plants. Typical cluster type roots.
Wild. Seed.

503221. 1890. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 608, N of Sturgen Creek Bridge, 5.8km NE of Alberta, Brunswick Co, VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in edge of open woods on roadside in sandy clay. Population large. Collection from 50 plants. Typical cluster type roots. Wild. Seed.
503222. 1896. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 40S, E of Turkey Egg Creek, 0.5km ESE of Darvills, VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on north side of highway. Collection from 20-30 plants. Typical cluster type roots. Seed set good. Powdery mildew present. Wild. Seed.
503223. 1897. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 40S, 6.1km E of McKinney, Dinwiddie Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of slashed pine woods in rocks, sand and along open roadside in recently disturbed area. Collection from 30 plants. Plants typical. Stems red. Seed set good. Wild. Seed.
503224. 1900. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 40E, 0.3km F of West Hope, Sussex Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in moist roadside ditch near woods. Collection from 20 plants. Plants not typical, leaves more rounded, thicker, more pubescent. Seed set good. Wild. Seed.

503225. *Helianthus grosseserratus* Martens (Asteraceae) Sawtooth sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

1960. United States. Latitude: 42 deg N; Longitude: 093 deg W. Collected October 29, 1985. Story County Rd. 38 (S. Dakota Dr.), 5.6km S of Lincoln Way, Ames, Story Co. Collected by G. Seiler, and W. Roath. Plants growing on west side of road near drainage ditch. Population large, scattered. Some insect damage to seed and root s. Wild. Seed.

503226 TO 503229. *Helianthus laevigatus* Torr. & Gray (Asteraceae).

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

503226. 1871. United States. Latitude: 37 deg N; Longitude: 080 deg W. Collected October 16, 1985. Hwy 106N, 6.1km S of Popular Hill, Pulaski Co., VA. Collected by G. Seiler, and D. Skoric. Plants growing in wooded area on shale outcrop. Population scattered. Collection from 12 plants. Plants 1.2-1.8m tall. Stem pith damage typical. Leaves glabrous. Some heads small, short. Wild. Seed.
503227. 1874. United States. Latitude: 37 deg N; Longitude: 080 deg W. Collected October 16, 1985. Hwy 42, 2.7km W of New Castle, Craig Co., VA. Collected by G. Seiler, and D. Skoric. Plants growing along wooded slopes on shale outcrop. Population scattered. Collection from 10 plants. Plants typical. Wild. Seed.
503228. 1875. United States. Latitude: 37 deg N; Longitude: 079 deg W. Collected October 16, 1985. Hwy 43, 5.8km S of Buchanan, Botetourt Co., VA. Collected by G. Seiler, and D. Skoric. Plants growing along wooded roadside slope on shale outcrop. Population scattered. Collection from 20 plants. No rust. Wild. Seed.
503229. 1879. United States. Latitude: 37 deg N; Longitude: 080 deg W. Collected October 17, 1985. Hwy 16, 4.5km W of Anthony, Greenbrier Co., WV. Collected by G. Seiler, and D. Skoric. Plants growing on steep slope in shale outcrop in loose soil. Collection from 15 plants. Plants typical. Wild. Seed.

503230. *Helianthus maximiliani* Schrader (Asteraceae) Maximilian's sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

1899. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Northwest corner, junction Hwy 661 and Hwy 40, West Hope, Sussex Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in steep roadside ditch near houses. Possible garden escape. Population of 5 plants. Collection from 3 heads. Wild. Seed.

503231. *Helianthus microcephalus* Torr. & Gray (Asteraceae) Small wood sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

1872. United States. Latitude: 37 deg N; Longitude: 080 deg W. Collected October 16, 1985. Hwy 100N, 6.1km S of Popular Hill, Pulaski Co., VA. Collected by G. Seiler, and D. Skoric. Plants growing on edge of disturbed waste area near woods. Population small, variable-sized. Collection from 4-5 plants. Leaves pubescent, typical. Wild. Seed.

503232. *Helianthus petiolaris* subsp. *petiolaris* Nutt. (Asteraceae).

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

1910. United States. Latitude: 39 deg N; Longitude: 075 deg W. Collected October 21, 1985. North, 1.8km of junction of Hwy 49E and Hwy 47N, Millville, NJ. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in waste area in sand by large factory across from McDonalds on east side of road. Population small. Collection from 10 plants. Wild. Seed.

503233. *Helianthus rigidus* (Cass.) Desf. (Asteraceae) Stiff sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

1911. United States. Latitude: 39 deg N; Longitude: 075 deg W. Collected October 21, 1985. North, 1.8km of junction of Hwy 49E and Hwy 47N, Millville, NJ. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in waste area in sandy soil by large factory across from McDonalds on east side of road. Population small. Collection from 10 plants. Roots good. Some rust on some leaves only. Wild. Seed.

503234 TO 503237. *Helianthus* sp. (Asteraceae).

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

503234. 1907. United States. Latitude: 38 deg N; Longitude: 075 deg W. Collected October 20, 1985. Hwy 24N, 2.4km SE of Millsboro, Sussex Co., DE. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of mixed woods in sand. Collection from 20-25 plants. *Alternaria* present on leaves. Wild. Seed.

503235. 1916. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. South, 7.4km of Hwy 218 and 4.3km W on Hwy 293, Putnam Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along steep edge of road on middle of slope near woods in shale, granite. Population small, isolated. Collection from 20 plants. Branching in axils of leaves. Wild. Seed.

503236. 1929. United States. Latitude: 42 deg N; Longitude: 072 deg W. Collected October 23, 1985. Hwy 32N, 1.6km N of Monson, Hampden Co., MA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along east side of road in wooded draw in sandy loam. Population small. Collection from 8 plants. Roots not enlarged. Leaves narrow, stiff. Severe rust present. Wild. Seed.

503237. 1931. United States. Latitude: 42 deg N; Longitude: 072 deg W. Collected October 23, 1985. Hwy 32 S, 3.1km S of Ware, Hampshire County, MA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along road in small wooded area in sandy loam. Population small. Collection from 8 plants. Rust on leaves. Wild. Seed.

503238 TO 503261. *Helianthus strumosus* L. (Asteraceae) Woodland sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric.
Received March 1986.

503238. 1882. United States. Latitude: 38 deg N; Longitude: 080 deg W. Collected October 17, 1985. Hwy 92, 3.2km S of Elkwater, Randolph Co., WV. Collected by G. Seiler, and D. Skoric. Plants growing on shaded steep slope in forest in rich black soil. Population scattered. Collection from 30 plants. Stem pith damage in most stems. Wild. Seed.

503238 TO 503261-continued

503239. 1883. United States. Latitude: 38 deg N; Longitude: 079 deg W. Collected October 17, 1985. Georgetown Rd, 0.8km W and 2.4km S of Beverly, off Hwy 219, WV. Collected by G. Seiler, and D. Skoric. Plants growing on steep slope at edge of woods in clay loam. Collection from 7 plants. Wild. Seed.
503240. 1884. United States. Latitude: 38 deg N; Longitude: 079 deg W. Collected October 17, 1985. Hwy 28N, 1.6km S of Smoke Hole Caverns, Grant Co., WV. Collected by G. Seiler, and D. Skoric. Plants growing on steep slope in moist area near woods in loam shale mix. Population scattered. Collection from 30 plants. Wild. Seed.
503241. 1886. United States. Latitude: 38 deg N; Longitude: 079 deg W. Collected October 17, 1985. North of Smoke Hole, 3.2km, Grant Co., WV. Collected by G. Seiler, and D. Skoric. Plants growing on steep slope near cabins in moist area near woods in a clay loam. Population scattered. Collection from 20 plants. Stem pith damage to most plants. Leaves not as pubescent as typical, but very mature. Wild. Seed.
503242. 1887. United States. Latitude: 38 deg N; Longitude: 079 deg W. Collected October 17, 1985. North of Smoke Hole, 16km Grant Co., WV. Collected by G. Seiler, and D. Skoric. Plants growing on steep slope, woods in rocky shale. Collection from 20-30 plants. Leaves not as pubescent as typical, but very mature. Wild. Seed.
503243. 1895. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 616S, Dinwiddie, 1.6km S of Darvills, Dinwiddie Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on south side of Nottoway River Bridge, east side of road in edge of woods along river. Population small. Collection from 8-10 plants. Rust present on leaves but not extensive. Wild. Seed.
503244. 1919. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 55E, 1.6km W of Gaylordsville, Litchfield Co., CT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on edge of road partly in rich woods. Population small. Collection from 15 plants. Wild. Seed.
503245. 1921. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 7S, 9.6km SSW of Kent, Litchfield Co., CT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on edge of woods along river in rich sandy loam. Population scattered. Collection from 15 plants. Rust on leaves. Wild. Seed.

503238 TO 503261-continued

503246. 1922. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 4, 2.4km SW of Cornwall, Connecticut. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on roadside ditch in shaded woods in sandy loam. Population scattered. Collection from 20 plants. Stem pith damage. Wild. Seed.
503247. 1924. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 4W, 1.6km W of Torrington, Litchfield Co., Connecticut. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of steep wooded slope. Population small, scattered. Collection from 35 plants. Branches forming in axils of leaves. Wild. Seed.
503248. 1926. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Junction of Hwy 4E and Hwy 183, 3.2km S of Torrington, Litchfield Co., CT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing one block west of junction at edge of woods by small stream in moist sand. Population small. Collection from 20 plants. Roots long and running not tuberous. Wild. Seed.
503249. 1927. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 183N, 3.2km W and 4.5km N of Torrington, Litchfield Co., CT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside in and near woods in sand. Collection from 20 plants. Stem pith damage present. Rust present on all leaves. Wild. Seed.
503250. 1934. United States. Latitude: 43 deg N; Longitude: 072 deg W. Collected October 23, 1985. Hwy 12A-N, 10.4km N of Keene, Cheshire Co., NH. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in shade of woods alongside rocky sandy loam. Population small. Collection from 25 plants. No rust present. Wild. Seed.
503251. 1938. United States. Latitude: 43 deg N; Longitude: 073 deg W. Collected October 25, 1985. Hwy 29E, 5.6km E of Saratoga Springs, Saratoga Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside near swamp and woods in sand. Population small. Collection from 15 plants. Leaves opposite, serrate. Wild. Seed.
503252. 1941. United States. Latitude: 43 deg N; Longitude: 073 deg W. Collected October 25, 1985. KayoDerros Selos Creek, Hwy 29E, 2.2km E of Rock City, Saratoga Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along southwest roadside in moist woods in rich

503238 TO 503261-continued

moist shady soil. Population large. Collection from 30-50 plants. Typical habitat for *H. strumosus*. Wild. Seed.

503253. 1944. United States. Latitude: 42 deg N; Longitude: 074 deg W. Collected October 25, 1985. Hwy 443E, 0.5km W of Gallupville, Schoharie Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in wooded slope of roadside ditch in thickets in rich soil. Population small. Collection from 15 plants. Stem pith damage. No rust. Wild. Seed.
503254. 1945. United States. Latitude: 42 deg N; Longitude: 073 deg W. Collected October 25, 1985. Hwy 9W (N), 4.0km N of Becker's Corner, Albany Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing near roadside in thicket adjacent to stream, woods. Population large, scattered. Collection from 20 plants. Similar to *H. tuberosus* without tubers. Lateral running rhizomes with good buds. Leaves alternate. No rust. Wild. Seed.
503255. 1949. United States. Latitude: 41 deg N; Longitude: 074 deg W. Collected October 26, 1985. Hwy 28E, 4.8km E of Ashokan, Ulster Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside in oak woods in rocky soil. Population small. Collection from 20 plants. Leaves glaucous below. Wild. Seed.
503256. 1950. United States. Latitude: 41 deg N; Longitude: 074 deg W. Collected October 26, 1985. Hwy 28W, 0.3km W of Ashokan, Ulster Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside thickets at edge of oak woods in rocky soil. Population small, scattered. Collection from 20 plants, diseased. Wild. Seed.
503257. 1951. United States. Latitude: 41 deg N; Longitude: 075 deg W. Collected October 26, 1985. Hwy 370W, 4.8km W of Lake Wood, Wayne Co., PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in shade of oak-aspen woods in rich, moist soil. Wild. Seed.
503258. 1952. United States. Latitude: 41 deg N; Longitude: 076 deg W. Collected October 26, 1985. Hwy 87W, across from Baptist church, Mehoopany, Wyoming Co, PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in shade on steep roadside slope of oak woods. Population small. Collection from 15 plants. Rhizomes running laterally. Wild. Seed.
503259. 1953. United States. Latitude: 41 deg N; Longitude: 076 deg W. Collected October 26, 1985. Hwy 87W, opposite Pallis Rd., W of Forkston, Wyoming Co., PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in

503238 TO 503261-continued

shaded roadside ditch in thickets. Population scattered. Collection from 25 plants. Rhizomes running laterally. Leaves opposite, glaucous below, more rough than other populations. Wild. Seed.

503260. 1957. United States. Latitude: 40 deg N; Longitude: 078 deg W. Collected October 27, 1985. Hwy 453, 6.7km SE of Smithmill, Blair Co., PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside in shaded area of woods in rocky soil. Population small, scattered. Collection from 10 plants. Leaves opposite with short petioles. Old leaves glaucous below. Wild. Seed.

503261. 1958. United States. Latitude: 40 deg N; Longitude: 079 deg W. Collected October 27, 1985. Hwy 28S, E of Fairmount City, across fr. furniture store, Armstrong Co., PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along Red Bank Creek near edge of water, near woods. Population very large, 25m by 10m. Collection from many plants. Height 1.5-2m. Rhizomes numerous, with large galls up to 5cm across. Leaves opposite. Wild. Seed.

503262 TO 503283. *Helianthus tuberosus* L. (Asteraceae) Jerusalem artichoke.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric. Received March 1986.

503262. 1877. United States. Latitude: 37 deg N; Longitude: 080 deg W. Collected October 17, 1985. West of White Sulphur Springs, Greenbrier Co., WV. Collected by G. Seiler, and D. Skoric. Plants growing near creek in rocky soil. Population small. Collection from 3 plants. Wild. Seed.

503263. 1880. United States. Latitude: 38 deg N; Longitude: 080 deg W. Collected October 17, 1985. Hwy 219, 2.1km S of Renick, Greenbrier Co., WV. Collected by G. Seiler, and D. Skoric. Plants growing near stream in moist soil. Population small, scattered. Collection from 6 plants. Wild. Seed.

503264. 1892. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 46, 4.6km SE of Danielstown, Brunswick Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along railroad right of way in cleared area next to woods in sandy black loam. Population large, scattered. Collection from 20 plants. Tubers large, typical. Very susceptible to rust. Wild.

503262 TO 503283-continued
Seed.

503265. 1904. United States. Latitude: 37 deg N; Longitude: 075 deg W. Collected October 20, 1985. Junction of Hwy 13 and T 609 Nassawadox, Northhampton Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along railroad tracks in waste area close to some houses in dry soil. Population large, scattered. Collection from 25 plants. Susceptible to rust. Wild. Seed.
503266. 1905. United States. Latitude: 38 deg N; Longitude: 075 deg W. Collected October 20, 1985. Junction of Ma St and Hwy 346E; and N of Pitt Ave. on 353, Pittsville, MD. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along stream in disturbed area near houses and on the west side of 353. Collection from 10 plants. Did not have typical *H. tuberosus* type roots. Very susceptible to rust. Wild. Seed.
503267. 1906. United States. Latitude: 38 deg N; Longitude: 075 deg W. Collected October 20, 1985. Hwy 353N, 5.1km N of Pittsville, Wicomico Co., MD. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of steep bank of drainage ditch near open area by woods in very sandy soil. Population large, scattered. Collection from 20 plants. No typical expanded tubers or roots. Very susceptible to rust. Wild. Seed.
503268. 1909. United States. Latitude: 39 deg N; Longitude: 075 deg W. Collected October 21, 1985. Hwy 46, E side of Bridgeton, at C. Veale used car lot, Cumberland Co., NJ. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of road on north side of street. Population small, isolated. Collection from 15 plants. Typical *tuberosus* type garden roots. Possible escape. No rust. Some powdery mildew present. Wild. Seed.
503269. 1912. United States. Latitude: 40 deg N; Longitude: 074 deg W. Collected October 21, 1985. Hwy 571 and 526S, 9.6km SE of Penn's Neck, Mercer County, New Jersey. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of field, possible garden escape. Population large, scattered. Collection from 30 plants. Typical cultivated roots, red. Some rust. Wild. Seed.
503270. 1913. United States. Latitude: 41 deg N; Longitude: 074 deg W. Collected October 21, 1985. Inter. of Hwy 571W and Station Rd., Sparta, Sussex Co., NJ. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of road in wooded area in moist black loam. Possible garden escape. Population small. Collection from 5 plants. Leaves large, *tuberosus* type. No rust. Wild. Seed.

503262 TO 503283-continued

503271. 1925. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 4E, Post Office, SE Torrington, Litchfield Co., CT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in waste area - woods - shrubs, in sand. Collection from 15 plants. Typical *H. tuberosus* garden type roots, red. Stem pith damage. Wild. Seed.
503272. 1928. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Hwy 9, north city limits, Winsted, Litchfield Co., CT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing across from corporate city boundary sign along moist stream near woods, in sandy loam. Collection from 7 plants. Tubers enlarged, red, typical. *Alternaria* present. Leaf damage. Insect damage. Wild. Seed.
503273. 1933. United States. Latitude: 42 deg N; Longitude: 072 deg W. Collected October 23, 1985. Hwy 32A (N), 3.8km N of Hardwick, Worcester Co., MA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing across from Barre Road, edge of woods by rocky edge of stream in possibly abandoned farm. Population small. Lower leaves large. Tubers not typical of cultivated plants. No rust. Wild. Seed.
503274. 1936. United States. Latitude: 44 deg N; Longitude: 072 deg W. Collected October 24, 1985. Hwy 302N, SE of Baptist church, Groton, Caledonia Co., VT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along road near running stream, houses close. Possibly garden escape. Population very large. Collection from 50 plants. Plants 3-3.6m tall. Tubers extremely large, long and narrow. Some rust. Some stem pith damage. Wild. Seed.
503275. 1937. United States. Latitude: 43 deg N; Longitude: 073 deg W. Collected October 24, 1985. Hwy 75N, 3.2km NNW of Pittsford, Rutland Co., VT. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along fence row near farm in very rocky, sandy soil. Possibly garden escape. Population scattered. Collection from 30 plants. Tubers large, cultivated type, red. Wild. Seed.
503276. 1939. United States. Latitude: 43 deg N; Longitude: 073 deg W. Collected October 25, 1985. Hwy 29E, 4.2km E of Saratoga Springs, Saratoga Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing across from turning point country store in roadside ditch at edge of woods in moist sand. Plants small, 1.5-1.8m tall. Tubers red. Wild. Rhizomes.
503277. 1940. United States. Latitude: 43 deg N; Longitude: 073

503262 TO 503283-continued

- deg W. Collected October 25, 1985. Hwy 29W, 3.2km E of Rock City, Saratoga Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in shaded roadside ditch near woods in moist sand. Population small. Tubers small, red. Little rust present. Much powdery mildew present. Wild. Rhizomes.
503278. 1942. United States. Latitude: 42 deg N; Longitude: 074 deg W. Collected October 25, 1985. Hwy 30N, 1.6km N of Scotch Bush, Montgomery Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in thickets near edge of stream of roadside ditch in rich moist soil. Population small. Collection from 20 plants. Height 3-3.6m. Tubers elongate like wild *H. tuberosus*, white. Considerable rust. Wild. Seed.
503279. 1943. United States. Latitude: 42 deg N; Longitude: 074 deg W. Collected October 25, 1985. Hwy 30N, 6.4km W and 0.8km N of Gallupville, Schoharie Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in moist area by stream not near woods in rich clay. Collection from 25 plants. Height 1.5-2.1m. Tubers elongate, large, white. Considerable rust present. Insect tuber damage. Stem damage present. Wild. Seed.
503280. 1946. United States. Latitude: 42 deg N; Longitude: 073 deg W. Collected October 25, 1985. Hwy 3E, 3.8km E of Coeymans Hollow, Albany Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside ditch. Population mowed. Some rust and powdery mildew present. Wild. Rhizomes.
503281. 1947. United States. Latitude: 42 deg N; Longitude: 073 deg W. Collected October 25, 1985. Hwy 143E, 1.6km E of Coeymans Hollow, Albany Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing near Tompkins Rd. and Sycamore Golf Club, along roadside near moist stream in ditch. Population small, scattered. No rhizomes. No tubers. Wild. Seed.
503282. 1954. United States. Latitude: 41 deg N; Longitude: 076 deg W. Collected October 26, 1985. Hwy 487S, near junction of Hwy 118, Red Rock, Luzerne Co., PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside near swamp but not woods, in moist soil. Population large. Collection from 50 plants. Height 1.5-2.1m. Tubers large, red, like cultivated *H. tuberosus*. No rust. Wild. Seed.
503283. 1959. United States. Latitude: 40 deg N; Longitude: 079 deg W. Collected October 27, 1985. Junction of Hwy 268N and 368E, N of Parker, Rutler Co., PA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along

503262 TO 503283-continued

steep riverbank by bridge across Allegheny River and Glass Container Corp. Population scattered. Collection from 30 plants. Rhizomes long, slender, red like wild *H. tuberosus* rhizomes. Wild. Seed.

503284 TO 503291. *Helianthus x laetiflorus* Pers. (Asteraceae) Showy sunflower.

From United States. Donated by Roath, W.W.; Regional Plant Introduction Station, USDA-ARS, Iowa State University; Ames, Iowa. Received through 1985 Plant exploration by G. Seiler, W. W. Roath, D. Skoric. Received March 1986.

503284. 1888. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 18, 1985. Hwy 35N, 0.5km S of Sussex, Southhampton County line, VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on open roadside ditch along edge of peanut field in sand. Population small. Collection from 6 plants. Stem pith damage. Wild. Seed.
503285. 1894. United States. Latitude: 36 deg N; Longitude: 077 deg W. Collected October 19, 1985. Hwy 616N, 18.2km N and 12.8km E of Danielstown, VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing at S. Bartley home on left side of road next to corn field in sand. Population small, isolated. Collection from 15-20 plants. Rust present. Wild. Seed.
503286. 1903. United States. Latitude: 37 deg N; Longitude: 077 deg W. Collected October 19, 1985. South, 1.0km on Hwy 31 and NW 10.9km on Hwy 10 of Surry, Surry Co., VA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along edge of field. Population small. Collection from 10 plants. Wild. Seed.
503287. 1908. United States. Latitude: 38 deg N; Longitude: 075 deg W. Collected October 20, 1985. Hwy 14W, 0.4km W of Harrington, Kent Co., DE. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in roadside ditch along pasture fence row. Population small. Collection from 15 plants. Leaves with some serration, undulation. No rust. Powdery mildew present. Wild. Seed.
503288. 1918. United States. Latitude: 41 deg N; Longitude: 073 deg W. Collected October 22, 1985. Near Hwy 55E, bet. Hudson Rd. & turn off to Pawling, 2.4km, Dutchess Co., NY. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on open roadside ditch near stream in moist sandy loam. Population scattered. Collection from 30 plants. Plants tall, robust. Leaves large. Very little rust

503284 TO 503291-continued
present. Wild. Seed.

503289. 1930. United States. Latitude: 42 deg N; Longitude: 072 deg W. Collected October 23, 1985. Hwy 32S, 0.8km S of Palmer, near Fenton Dr., Hampden Co., MA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing along roadside in sandy loam. Population small, isolated. Collection from 10 plants. Leaves stiff, typical. No rust. Some stem pith damage. Wild. Seed.

503290. 1932. United States. Latitude: 42 deg N; Longitude: 072 deg W. Collected October 23, 1985. Hwy 32A-N, 5.4km N of Hardwick, Worcester Co., MA. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing on edge of wooded roadside in sandy loam. Population very small. Seed set no good. Wild. Rhizomes.

503291. 1935. United States. Latitude: 43 deg N; Longitude: 072 deg W. Collected October 23, 1985. Hwy 10N, across from information center, East Lempster, NH. Collected by G. Seiler, W. Roath, and D. Skoric. Plants growing in waste area near woods in sandy loam. Population small, isolated. No tubers. Leaves wide, opposite, similar to *H. laetiflorus*. Seed set poor. No rust. Wild. Seed.

503292 TO 503298. *Triticum araraticum* Jakubz. (Poaceae).

From United States. Donated by Waines, J.G.; Department of Plant Sciences, University of California; Riverside, California. Received through B.L. Johnson collection. Received April 1986.

503292. G 2189. Iraq. Northeast of Salahadin, 1.0km. 1100m. Primitive Cultivar. Seed.

503293. G 2268. Iraq. Northeast of Shaqlawa, 4.0km. Primitive Cultivar. Seed.

503294. G 2608. Iraq. Northeast of Salahadin, 2.0km. 1100m. Primitive Cultivar. Seed.

503295. G 2625. Iraq. Northeast of Shaqlawa, 4.0km. 1000m. Primitive Cultivar. Seed.

503296. G 2637. Iraq. Northeast of Shaqlawa, 4.0km. 1000m. Primitive Cultivar. Seed.

503297. G 2658. Iraq. Northeast of Shaqlawa, 7.0km. 1000m. Possibly a mixture. Primitive Cultivar. Seed.

503298. G 2778. Iraq. West of Mazorka Gorge, 3-4km. 1150m. Primitive Cultivar. Seed.

503299 TO 503309. *Triticum boeoticum* Boiss. (Poaceae) Wild einkorn.

From United States. Donated by Waines, J.G.; Department of Plant Sciences, University of California; Riverside, California. Received through B.L. Johnson collection. Received April 1986.

- 503299. G 1782. Turkey. West, 41.1km of Kiziltepe. 600m. Primitive Cultivar. Seed.
- 503300. G 1863. Turkey. West, 80.5km of Kiziltepe. 670m. Possibly a mixture. Primitive Cultivar. Seed.
- 503301. G 1882. Turkey. West, 83.8km of Kiziltepe. 670m. Primitive Cultivar. Seed.
- 503302. G 1884. Turkey. West, 116km of Kiziltepe. 800m. Primitive Cultivar. Seed.
- 503303. G 1901. Turkey. East, 40.8km of Kiziltepe. 650m. Primitive Cultivar. Seed.
- 503304. G 2010. Turkey. East, 52.5km of Urfa, near Hilvan. 650m. Primitive Cultivar. Seed.
- 503305. G 2224. Iraq. Northeast of Salahadin, 1.0km. 1100m. Primitive Cultivar. Seed.
- 503306. G 2380. Iraq. North of Dohuk, 5.5km. 750m. Primitive Cultivar. Seed.
- 503307. G 2388. Iraq. Northeast of Dohuk, 24km. 950m. Primitive Cultivar. Seed.
- 503308. G 2657. Iraq. Northeast of Shaqlawa, 4.0km. 1000m. Primitive Cultivar. Seed.
- 503309. G 2863. Iran. North of Bisotun, 5.5km. 1350m. Primitive Cultivar. Seed.

503310 TO 503317. *Triticum dicoccoides* (Koern. ex Asch. & Graebn.) Aaronsohn (Poaceae) Wild emmer.

From United States. Donated by Waines, J.G.; Department of Plant Sciences, University of California; Riverside, California. Received through B.L. Johnson collection. Received April 1986.

- 503310. G 2040. Turkey. West, 36.2km of Diyarbakir in the Karakadaj. 1200m. Primitive Cultivar. Seed.
- 503311. G 2053. Turkey. West, 36.2km of Diyarbakir in the Karakadaj. 1200m. Primitive Cultivar. Seed.

503310 TO 503317-continued

503312. G 3045. Israel. Towards Safad, 1-2km S of Rosh Pinna. Primitive Cultivar. Seed.
503313. G 3046. Israel. Towards Safad, 1-2km S of Rosh Pinna. Primitive Cultivar. Seed.
503314. G 3059. Israel. City limits of Safad, on road to Rosh Pinna. Primitive Cultivar. Seed.
503315. G 3062. Israel. Between Ein Hashofet and Daliya. Primitive Cultivar. Seed.
503316. G 3072. Lebanon. Outskirts of Rashaya. 1000m. Primitive Cultivar. Seed.
503317. G 3076. Lebanon. Outskirts of Rashaya. 1000m. Primitive Cultivar. Seed.

503318 TO 503319. *Triticum urartu* Thumb. ex Gandil. (Poaceae).

From United States. Donated by Waines, J.G.; Department of Plant Sciences, University of California; Riverside, California. Received through B.L. Johnson collection. Received April 1986.

503318. G 1788. Turkey. West, 44.5km of Kiziltepe. 600m. Primitive Cultivar. Seed.
503319. G 1799. Turkey. West, 44.5km of Kiziltepe. 600m. Primitive Cultivar. Seed.

503320 TO 503323. *Nicotiana debneyi* Domin (Solanaceae).

From France. Donated by Delon, R.; Institut Experimental du Tabac de la Seita; 24100 Bergerac. Received through V.A. Sisson, Tobacco Research Laboratory, USDA-ARS, Oxford, North Carolina. Received April 1986.

503320. Belgium. Collected 1950. Gembloux. Flowers white with tubular part purple-nerved. Ecotype. Breeding Material. Seed.
503321. United States. Collected 1956. California. Collection of T.H. Goodspeed. Flowers white with green nerves outside on the corolla and a few purple nerves on the tube. Breeding Material. Seed.
503322. New Caledonia. Collected 1959. Noumea. Corolla rosy on the inside. Tubular part purple. Breeding Material. Seed.

503320 TO 503323-continued

503323. Australia. Canberra. CSIRO. Collected 1967. Flowers all white. Breeding Material. Seed.

503324 TO 503325. *Cucumis melo* L. (Cucurbitaceae) Melon.

From United States. Donated by Kaiser, W.J.; Regional Plant Introduction Station, USDA-ARS, Washington State University; Pullman, Washington. Received through Collection from 1985 trip to Turkey by W.J. Kaiser and F.J. Muehlbauer.
Received March 1986.

503324. 100785. Turkey. Market, Diyarbakir. Possibly from Adana along the Mediterranean Sea. Collected by W.J. Kaiser and F.J. Muehlbauer. Canteloupe-like melon, 0.3m long, 1.5-2kg weight. Skin thin, yellow. Flesh yellow, sweet. Cultivated. Seed.

503325. 300685. Turkey. Market, Kirikham, Antakya Province. Collected by W.J. Kaiser and F.J. Muehlbauer. Canteloupe-like melon. Skin orange-yellow. Flesh yellowish, very sweet. Cultivated. Seed.

503326 TO 503327. *Vigna unguiculata* (L.) Walp. (Fabaceae).

From United States. Donated by Kaiser, W.J.; Regional Plant Introduction Station, USDA-ARS, Washington State University; Pullman, Washington. Received through Collection from 1985 trip to Turkey by W.J. Kaiser and F.J. Muehlbauer.
Received March 1986.

503326. 280785-11. Turkey. Road to Izmir, 7km from Ezine, Canakkale Province. 120m. Collected by W.J. Kaiser and F.J. Muehlbauer. Plants bush type. Hilum both back and brown. Cultivated. Seed.

503327. 280785-0603. Turkey. Garden, 25km to Lapseki on road from Biga, Canakkale Province. 60m. Collected by W.J. Kaiser and F.J. Muehlbauer. Leaves with rust. Pods long. Hilum both black and brown. Cultivated. Seed.

503328. *Vigna unguiculata* subsp. *sesquipedalis* (L.) Verdc. (Fabaceae) Yard-long bean.

From United States. Donated by Kaiser, W.J.; Regional Plant Introduction Station, USDA-ARS, Washington State University; Pullman. Received through Collection from 1985 trip to Turkey by W.J. Kaiser and F.J. Muehlbauer.

503328-continued

Received March 1986.

280785-0604. Turkey. Garden, 25km to Lapseki on road from Biga, Canakkale Province. 60m. Collected by W.J. Kaiser and F.J. Muehlbauer. Leaves with rust. Pods harvested partially green and allowed to air dry. Seeds harvested several days later. Cultivated. Seed.

503329 TO 503332. *Zea mays* L. (Poaceae) Field corn.

From Soviet Union. Donated by VIR; Leningrad.
Received April 1986.

503329. VIR 2713. Dneprovskij 927TV. Soviet Union. Cultivar. Seed.

503330. VIR 2725. Krasnodarskij 350TV. Soviet Union. Cultivar. Seed.

503331. VIR 2709. Vaznyi. Soviet Union. Cultivar. Seed.

503332. VIR 2716. Yuzanin TV. Soviet Union. Cultivar. Seed.

503333 TO 503340. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From United States. Donated by Thorne, J.; and Byron, D.; Northrup King Company; and Jacques Seed Company; Washington, Iowa; and Prescott, Wisconsin.
Received March 1986.

503333. Cheng Nong 1. China, Peoples Repub of. Jilin Province. Cultivar. Seed.

503334. Dan Dou 5. China, Peoples Repub of. Liaoning Province. Cultivar. Seed.

503335. Dong Nong 36. China, Peoples Repub of. Heilongjiang Province. Cultivar. Seed.

503336. Dong Nong 37. China, Peoples Repub of. Heilongjiang Province. Cultivar. Seed.

503337. He Dian 22. China, Peoples Repub of. Heilongjiang Province. Cultivar. Seed.

503338. Liao Dou 3. China, Peoples Repub of. Liaoning Province. Cultivar. Seed.

503339. Sui Feng. China, Peoples Repub of. Heilongjiang Province. Cultivar. Seed.

503333 TO 503340-continued

503340. Tong Nong 9. China, Peoples Repub of. Jilin Province.
Cultivar. Seed.

503341. *Genista sagittalis* L. (Fabaceae).

From Soviet Union. Donated by Hortus Botanicus Principalis,
Academiae Scientiarum URSS; Moscow.
Received February 1986.

149A. Soviet Union. Plant Introduction Station, Ames,
Iowa, US. A-4323. Grounds of Botanic Garden. Cultivated.
Seed.

503342 TO 503345. *Daucus carota* L. (Apiaceae).

From Soviet Union. Donated by VIR; Leningrad.
Received April 1986.

503342. 1935. Nantskaja Jygeva. Soviet Union. Estonian SSR.
Cultivar. Seed.

503343. 2015. Garduoles. Soviet Union. Lithuanian SSR. Cultivar.
Seed.

503344. 2070. Gauses. Soviet Union. Lithuanian SSR. Cultivar.
Seed.

503345. 2071. Shatria 151-12-3. Soviet Union. Lithuanian SSR.
Cultivar. Seed.

503346 TO 503485. *Zea mays* L. (Poaceae) Field corn.

From France. Donated by Clement, J.C.; Office de la Recherche
Scientifique et Technique Outre-Mer (ORSTOM); 75008 Paris.
Received through IBPGR, Rome, Italy. Code numbers refer
to ORSTOM numbers.
Received April 1984.

503346. Z. 7071. Guinea. Collected February 1982. Bangalan,
Kankan Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 11. Growing cycle 90 days. Malinke tribe.
Local name NIO-Kagnamani gbe. Cultivated. Seed.

503347. Z. 7072. Guinea. Collected February 1982. Bangalan,
Kankan Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 12. Growing cycle 140-150 days. Malinke
tribe. Local name NIO-Sada oule. Cultivated. Seed.

503348. Z. 7073. Guinea. Collected February 1982. Bangalan,

503346 TO 503485-continued

- Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 13. Growing cycle 120 days. Malinke tribe. Local name NIO-Kagnamani oule. Cultivated. Seed.
503349. Z. 7074. Guinea. Collected February 1982. Fodekaria, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 368. Growing cycle 150 days. Malinke tribe. Local name KABA-Kolo oule. Cultivated. Seed.
503350. Z. 7075. Guinea. Collected February 1982. Fodekaria, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 369. Growing cycle 90 days. Malinke tribe. Local name KABA-Kouloumbale. Cultivated. Seed.
503351. Z. 7076. Guinea. Collected February 1982. Niandakoro, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 23. Growing cycle 90 days. Malinke tribe. Local name KABA-Kabaling gbe. Cultivated. Seed.
503352. Z. 7077. Guinea. Collected February 1982. Niandakoro, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 24. Growing cycle 120 days. Malinke tribe. Local name KABA-Sagatan. Cultivated. Seed.
503353. Z. 7078. Guinea. Collected February 1982. Bambala, Siguiri Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 35. Growing cycle 90 days. Malinke tribe. Local name KABA-Kabalin gbe. Cultivated. Seed.
503354. Z. 7079. Guinea. Collected February 1982. Bambala, Siguiri Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 36. Growing cycle 150 days. Malinke tribe. Local name KABA-ba. Cultivated. Seed.
503355. Z. 7080. Guinea. Collected February 1982. Bambala, Siguiri Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 42. Growing cycle 120 days. Malinke tribe. Local name KABA-Sigassoka. Cultivated. Seed.
503356. Z. 7082. Guinea. Collected February 1982. Kamatiguya, Siguiri Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 28. Growing cycle 150 days. Malinke tribe. Local name KABA-ba. Cultivated. Seed.
503357. Z. 7083. Guinea. Collected February 1982. Norassoba, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 370. Growing cycle 120 days. Malinke tribe. Local name KABA-Sada oule. Cultivated. Seed.
503358. Z. 7084. Guinea. Collected February 1982. Norassoba,

503346 TO 503485-continued

- Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 371. Malinke tribe. Local name KABA-Sada gbe. Cultivated. Seed.
503359. Z. 7085. Guinea. Collected February 1982. Norassoba, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 372. Growing cycle 90 days. Malinke tribe. Local name KABA-Kagnamani. Cultivated. Seed.
503360. Z. 7086. Guinea. Collected February 1982. Irikindin, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 373. Growing cycle 180 days. Malinke tribe. Local name NIO-Sataba. Cultivated. Seed.
503361. Z. 7087. Guinea. Collected February 1982. Irikindin, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 374. Growing cycle 120 days. Malinke tribe. Local name NIO-Sada. Cultivated. Seed.
503362. Z. 7088. Guinea. Collected February 1982. Irikindin, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 375. Growing cycle 90 days. Malinke tribe. Local name NIO-Kagnamani gbe. Cultivated. Seed.
503363. Z. 7089. Guinea. Collected February 1982. Moussaya, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 376. Growing cycle 90 days. Malinke tribe. Local name NIO-Sada. Cultivated. Seed.
503364. Z. 7090. Guinea. Collected February 1982. Moussaya, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 377. Growing cycle 75-80 days. Malinke tribe. Local name NIO-Dokoroli. Cultivated. Seed.
503365. Z. 7091. Guinea. Collected February 1982. Saraya, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 378. Growing cycle 75-80 days. Malinke tribe. Local name NIO-Dokoroli. Cultivated. Seed.
503366. Z. 7092. Guinea. Collected February 1982. Saraya, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 379. Malinke tribe. Local name NIO-Sataba. Cultivated. Seed.
503367. Z. 7093. Guinea. Collected February 1982. Saraya, Kouroussa Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 380. Growing cycle 120 days. Malinke tribe. Local name NIO-ba. Cultivated. Seed.
503368. Z. 7094. Guinea. Collected February 1982. Kankaya, Dabola Region. Collected by J.C. Clement and J.M. LeBlanc.

503346 TO 503485-continued

- Collector No. GE 381. Growing cycle 120 days. Malinke tribe. Local name NIO-Dokoroli. Cultivated. Seed.
503369. Z. 7095. Guinea. Collected February 1982. N°Dema, Dabola Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 382. Growing cycle 150 days. Peul tribe. Local name NIO-ba. Cultivated. Seed.
503370. Z. 7096. Guinea. Collected February 1982. Madina Koura, Dabola Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 383. Growing cycle 120 days. Malinke tribe. Local name NIO-Komboya. Cultivated. Seed.
503371. Z. 7097. Guinea. Collected February 1982. Kambaya, Dabola Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 62. Growing cycle 75-80 days. Peul tribe. Local name KABA-Dokoro. Cultivated. Seed.
503372. Z. 7098. Guinea. Collected February 1982. Kambaya, Dabola Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 63. Growing cycle 150 days. Peul tribe. Local name KABA-Goki. Cultivated. Seed.
503373. Z. 7099. Guinea. Collected February 1982. Bagata, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 384. Growing cycle 90 days. Malinke tribe. Local name KABA-Bode. Cultivated. Seed.
503374. Z. 7100. Guinea. Collected February 1982. Bagata, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 385. Growing cycle 100 days. Malinke tribe. Local name KABA-Dane. Cultivated. Seed.
503375. Z. 7101. Guinea. Collected February 1982. Sogotoro, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 67. Growing cycle 90 days. Peul tribe. Local name KABA-Bode. Cultivated. Seed.
503376. Z. 7102. Guinea. Collected February 1982. Sogotoro, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 69. Growing cycle 75-80 days. Peul tribe. Local name KABA-Dakoro. Cultivated. Seed.
503377. Z. 7103. Guinea. Collected February 1982. Sogotoro, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 72. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503378. Z. 7104. Guinea. Collected February 1982. Tolo, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 76. Growing cycle 90 days. Peul tribe. Local name KABA-Baoulagoumbe. Cultivated. Seed.

503346 TO 503485-continued

503379. Z. 7105. Guinea. Collected February 1982. Tolo, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 77. Growing cycle 120 days. Peul tribe. Local name KABA-Djimba. Cultivated. Seed.
503380. Z. 7106. Guinea. Collected February 1982. Poredaka, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 386. Growing cycle 90 days. Peul tribe. Local name KABA-Tangue. Cultivated. Seed.
503381. Z. 7107. Guinea. Collected February 1982. Fougoumba, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 387. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503382. Z. 7108. Guinea. Collected February 1982. Fougoumba, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 388. Growing cycle 90 days. Peul tribe. Local name KABA-Bode. Cultivated. Seed.
503383. Z. 7109. Guinea. Collected February 1982. Fougoumba, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 389. Growing cycle 150 days. Peul tribe. Local name KABA-Sataba. Cultivated. Seed.
503384. Z. 7110. Guinea. Collected February 1982. Bendekoure, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 390. Growing cycle 150 days. Peul tribe. Local name KABA-Sataba. Cultivated. Seed.
503385. Z. 7111. Guinea. Collected February 1982. Bendekoure, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 391. Growing cycle 90 days. Peul tribe. Local name KABA-Bode. Cultivated. Seed.
503386. Z. 7112. Guinea. Collected February 1982. Gali, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 392. Growing cycle 90 days. Peul tribe. Local name KABA-Baoulagoumbe. Cultivated. Seed.
503387. Z. 7113. Guinea. Collected February 1982. Gali, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 393. Growing cycle 100-110 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503388. Z. 7114. Guinea. Collected February 1982. Gali, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 394. Growing cycle 100 days. Peul tribe. Local name KABA-Bode. Cultivated. Seed.
503389. Z. 7115. Guinea. Collected February 1982. Kambako, Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc.

503346 TO 503485-continued

- Collector No. GE 87. Growing cycle 90 days. Peul tribe.
Local name KABA-Bode. Cultivated. Seed.
503390. Z. 7116. Guinea. Collected February 1982. Kambako,
Dalaba Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 88. Growing cycle 100-110 days. Peul
tribe. KABA-Dane. Cultivated. Seed.
503391. Z. 7117. Guinea. Collected February 1982. Lalya, Pita
Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 96. Growing cycle 75-80 days. Peul tribe.
Local name KABA-Djensingue. Cultivated. Seed.
503392. Z. 7118. Guinea. Collected February 1982. Tarambali,
Labe Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 395. Growing cycle 90 days. Peul tribe.
Local name KABA-Bode. Cultivated. Seed.
503393. Z. 7119. Guinea. Collected February 1982. Tarambali,
Labe Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 396. Growing cycle 120 days. Peul tribe.
Local name KABA-Dane. Cultivated. Seed.
503394. Z. 7120. Guinea. Collected February 1982. Diambesse,
Tougue Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 397. Growing cycle 120 days. Peul tribe.
Local name KABA-Dane. Cultivated. Seed.
503395. Z. 7121. Guinea. Collected February 1982. Diambesse,
Tougue Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 398. Growing cycle 90 days. Peul tribe.
Local name Kaba-Bode. Cultivated. Seed.
503396. Z. 7122. Guinea. Collected February 1982. Diambesse,
Tougue Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 399. Growing cycle 75-80 days. Peul
tribe. Local name KABA-Djensingue. Cultivated. Seed.
503397. Z. 7123. Guinea. Collected February 1982. Kona, Tougue
Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 400. Growing cycle 100-110 days. Peul
tribe. Local KABA-Djimba bode. Cultivated. Seed.
503398. Z. 7124. Guinea. Collected February 1982. Kona, Tougue
Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 401C. Growing cycle 120 days. Peul tribe.
Local name KABA-Dane. Cultivated. Seed.
503399. Z. 7125. Guinea. Collected February 1982. Nianou, Tougue
Region. Collected by J.C. Clement and J.M. LeBlanc.
Collector No. GE 402. Growing cycle 75-80 days. Peul
tribe. Local name KABA-Dokoro. Cultivated. Seed.

503346 TO 503485-continued

503400. Z. 7126. Guinea. Collected February 1982. Nianou, Tougue Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 403. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503401. Z. 7127. Guinea. Collected February 1982. Nianou, Tougue Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 404. Growing cycle 90-100 days. Peul tribe. Local name KABA-Djimba. Cultivated. Seed.
503402. Z. 7128. Guinea. Collected February 1982. Pilimini, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 405. Growing cycle 75-80 days. Peul tribe. Local name KABA-Djensingue. Cultivated. Seed.
503403. Z. 7129. Guinea. Collected February 1982. Pilimini, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 406. Growing cycle 90-100 days. Peul tribe. Local name KABA-Djimba. Cultivated. Seed.
503404. Z. 7130. Guinea. Collected February 1982. Pilimini, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 407. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503405. Z. 7131. Guinea. Collected February 1982. Pilimini, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 408. Growing cycle 150-160 days. Peul tribe. Local name KABA-Kekaba. Cultivated. Seed.
503406. Z. 7132. Guinea. Collected February 1982. Touladjoya, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 99. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503407. Z. 7133. Guinea. Collected February 1982. Touladjoya, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 100. Growing cycle 90 days. Peul tribe. Local name KABA-Bode. Cultivated. Seed.
503408. Z. 7134. Guinea. Collected February 1982. Sarekali, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 106. Growing cycle 90 days. Peul tribe. Local name KABA-Bode. Cultivated. Seed.
503409. Z. 7135. Guinea. Collected February 1982. Sarekali, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 107. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503410. Z. 7136. Guinea. Collected February 1982. Kounkedou, Labe Region. Collected by J.C. Clement and J.M. LeBlanc.

503346 TO 503485-continued

- Collector No. GE 110. Growing cycle 90 days. Peul tribe.
Local name KABA-Bomboro. Cultivated. Seed.
503411. Z. 7137. Guinea. Collected February 1982. Fougou, Mali Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 137. Growing cycle 75-80 days. Peul tribe. Local name KABA-Djensingue. Cultivated. Seed.
503412. Z. 7138. Guinea. Collected February 1982. Holo, Mali Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 116. Growing cycle 100 days. Peul tribe. Local name KABA-Sata. Cultivated. Seed.
503413. Z. 7139. Guinea. Collected February 1982. Medina Ora, Mali Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 122. Growing cycle 75-80 days. Peul tribe. Local name KABA-Dokoro. Cultivated. Seed.
503414. Z. 7140. Guinea. Collected February 1982. Medina Ora, Mali Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 123. Growing cycle 90 days. Peul tribe. Local name KABA-Sata. Cultivated. Seed.
503415. Z. 7141. Guinea. Collected February 1982. Medina Ora, Mali Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 124. Growing cycle 120 days. Peul tribe. Local name KABA-Ke. Cultivated. Seed.
503416. Z. 7142. Guinea. Collected February 1982. Lebekere, Mali Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 133. Growing cycle 90 days. Peul tribe. Local name KABA-Bode. Cultivated. Seed.
503417. Z. 7143. Guinea. Collected February 1982. Popodara, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 141. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503418. Z. 7144. Guinea. Collected February 1982. Popodara, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 142. Growing cycle 75-80 days. Peul tribe. Local name KABA-Djensingue. Cultivated. Seed.
503419. Z. 7145. Guinea. Collected February 1982. Lafou, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 145. Growing cycle 75-80 days. Peul tribe. Local name KABA-Djensingue. Cultivated. Seed.
503420. Z. 7146. Guinea. Collected February 1982. Dala, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 409. Growing cycle 100-110 days. Peul tribe. Local name KABA-Djimba. Cultivated. Seed.

503346 TO 503485-continued

503421. Z. 7147. Guinea. Collected February 1982. Dala, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 410. Growing cycle 75-80 days. Peul tribe. Local name KABA-Djensingue. Cultivated. Seed.
503422. Z. 7148. Guinea. Collected February 1982. Dala, Labe Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 438. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503423. Z. 7149. Guinea. Collected February 1982. Teguenda, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 147. Growing cycle 100-110 days. Peul tribe. Local name KABA-Djimba. Cultivated. Seed.
503424. Z. 7150. Guinea. Collected February 1982. Dende Koni, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 151. Growing cycle 120 days. Peul tribe. Local name KABA-Langan. Cultivated. Seed.
503425. Z. 7151. Guinea. Collected February 1982. Dende Koni, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 152. Growing cycle 90 days. Peul tribe. Local name KABA-Yaoude. Cultivated. Seed.
503426. Z. 7152. Guinea. Collected February 1982. Seriba, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 158. Growing cycle 90 days. Peul tribe. Local name KABA-Yaoude. Cultivated. Seed.
503427. Z. 7153. Guinea. Collected February 1982. Youkounkoun, Koundara Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 165. Growing cycle 75-80 days. Kognagui tribe. Local name KABA-Vantefelege. Cultivated. Seed.
503428. Z. 7154. Guinea. Collected February 1982. Loukerekewe, Koundara Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 169. Growing cycle 120 days. Kognagui tribe. Local name KABA-Langan. Cultivated. Seed.
503429. Z. 7155. Guinea. Collected February 1982. Loukerekewe, Koundara Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 177. Growing cycle 90 days. Kognagui tribe. Local name KABA-Danedjo. Cultivated. Seed.
503430. Z. 7156. Guinea. Collected February 1982. Missira, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 195. Growing cycle 120 days. Diakanke tribe. Local name KABA-Sagata. Cultivated. Seed.
503431. Z. 7157. Guinea. Collected February 1982. Missira,

503346 TO 503485-continued

- Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 198. Growing cycle 120 days. Diakanke tribe. Local name KABA-Sagata. Cultivated. Seed.
503432. Z. 7158. Guinea. Collected February 1982. Missira, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 202. Growing cycle 75-80 days. Diakanke tribe. Local name KABA-Tokeri. Cultivated. Seed.
503433. Z. 7159. Guinea. Collected February 1982. Darabowe, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 411. Growing cycle 75-80 days. Peul tribe. Local name KABA-Dokoro. Cultivated. Seed.
503434. Z. 7160. Guinea. Collected February 1982. Darabowe, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 412. Growing cycle 120 days. Peul tribe. Local name KABA-Djimba. Cultivated. Seed.
503435. Z. 7161. Guinea. Collected February 1982. Darabowe, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 413. Growing cycle 150 days. Peul tribe. Local name KABA-M'Bohe. Cultivated. Seed.
503436. Z. 7162. Guinea. Collected February 1982. Madinawol, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 207. Growing cycle 90 days. Diakanke tribe. Local name KABA-Sata. Cultivated. Seed.
503437. Z. 7163. Guinea. Collected February 1982. Moto, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 414. Growing cycle 75-80 days. Peul tribe. Local name KABA-N'Dokoro. Cultivated. Seed.
503438. Z. 7164. Guinea. Collected February 1982. Moto, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 415. Growing cycle 90 days. Peul tribe. Local name KABA-Sata. Cultivated. Seed.
503439. Z. 7165. Guinea. Collected February 1982. Moto, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 416. Growing cycle 120 days. Peul tribe. Local name KABA-Langan. Cultivated. Seed.
503440. Z. 7166. Guinea. Collected February 1982. Kakone, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 209. Growing cycle 120 days. Peul tribe. Local name KABA-Langan. Cultivated. Seed.
503441. Z. 7167. Guinea. Collected February 1982. Kakone, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 210. Growing cycle 75-80 days. Peul tribe. Local name KABA-N'Dokoro. Cultivated. Seed.

503346 TO 503485-continued

503442. Z. 7168. Guinea. Collected February 1982. Kakone, Gaoual Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 211. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503443. Z. 7169. Guinea. Collected February 1982. Santou, Telimele Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 417. Growing cycle 110-120 days. Peul tribe. Local name KABA-Sata. Cultivated. Seed.
503444. Z. 7170. Guinea. Collected February 1982. Santou, Telimele Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 418. Growing cycle 75-80 days. Peul tribe. Local name KABA-N'Dokoro. Cultivated. Seed.
503445. Z. 7171. Guinea. Collected February 1982. Neteri, Telimele Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 219. Growing cycle 120 days. Peul tribe. Local name KABA-Kibili Rouge. Cultivated. Seed.
503446. Z. 7172. Guinea. Collected February 1982. Neteri, Telimele Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 219 bis. Growing cycle 120 days. Peul tribe. Local name KABA-Kibili Blanc. Cultivated. Seed.
503447. Z. 7173. Guinea. Collected February 1982. Siraya, Telimele Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 419. Growing cycle 120 days. Peul tribe. Local name KABA-Neboude. Cultivated. Seed.
503448. Z. 7174. Guinea. Collected February 1982. Bangouya, Kindia Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 420. Growing cycle 90 days. Soussou tribe. Local name KABE-Rounfoure. Cultivated. Seed.
503449. Z. 7175. Guinea. Collected February 1982. Koniakouri, Kindia Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 421. Growing cycle 90 days. Soussou tribe. Local name KABE-Yelebout. Cultivated. Seed.
503450. Z. 7176. Guinea. Collected February 1982. Koniakouri, Kindia Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. 422. Growing cycle 120 days. Soussou tribe. Local name KABE-Bingue. Cultivated. Seed.
503451. Z. 7177. Guinea. Collected February 1982. Tianguelya, Kindia Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 423. Growing cycle 75-80 days. Peul tribe. Local name KABA-Tangue. Cultivated. Seed.

503346 TO 503485-continued

503452. Z. 7178. Guinea. Collected February 1982. Konkoure, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 424. Growing cycle 75-80 days. Peul tribe. Local name KABA-Djensingue. Cultivated. Seed.
503453. Z. 7179. Guinea. Collected February 1982. Konkoure, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 425. Growing cycle 120 days. Peul tribe. Local name KABA-Djimba. Cultivated. Seed.
503454. Z. 7180. Guinea. Collected February 1982. Dar Es Salam, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 426. Growing cycle 90 days. Peul tribe. Local name KABA-Dokoro. Cultivated. Seed.
503455. Z. 7181. Guinea. Collected February 1982. Dar Es Salam, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 427. Growing cycle 120 days. Peul tribe. Local name KABA-Sataba. Cultivated. Seed.
503456. Z. 7182. Guinea. Collected February 1982. Dar Es Salam, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 428. Growing cycle 150 days. Peul tribe. Local name KABA-Dialo. Cultivated. Seed.
503457. Z. 7183. Guinea. Collected February 1982. Dar Es Salam, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 429. Growing cycle 120 days. Peul tribe. Local name KABA-Perta. Cultivated. Seed.
503458. Z. 7184. Guinea. Collected February 1982. Bantamaya, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 430. Growing cycle 90 days. Peul tribe. Local name KABA-Dokoro. Cultivated. Seed.
503459. Z. 7185. Guinea. Collected February 1982. Bantamaya, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 431. Growing cycle 120 days. Peul tribe. Local name KABA-Dane. Cultivated. Seed.
503460. Z. 7186. Guinea. Collected February 1982. Soleya, Mamou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 432. Growing cycle 120 days. Dialonke tribe. Local name KABENA-Sagatan. Cultivated. Seed.
503461. Z. 7187. Guinea. Collected February 1982. Soulemania, Faranah Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 433. Growing cycle 90 days. Dialonke tribe. Local name KABENA-Bella. Cultivated. Seed.
503462. Z. 7188. Guinea. Collected February 1982. Sandenya, Faranah Region. Collected by J.C. Clement and J.M.

503346 TO 503485-continued

- LeBlanc. Collector No. GE 228. Growing cycle 90 days. Dialonke tribe. Local name KABENA-Mossina. Cultivated. Seed.
503463. Z. 7189. Guinea. Collected February 1982. Ghanworoya, Faranah Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 232. Growing cycle 120 days. Malinke tribe. Local name NIO-Ba. Cultivated. Seed.
503464. Z. 7190. Guinea. Collected February 1982. Tiro, Faranah Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 244. Growing cycle 90 days. Malinke tribe. Local name NIO-Tele. Cultivated. Seed.
503465. Z. 7191. Guinea. Collected February 1982. Tiro, Faranah Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 251. Growing cycle 120 days. Malinke tribe. Local name NIO-Ba. Cultivated. Seed.
503466. Z. 7192. Guinea. Collected February 1982. Niafotando, Faranah Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 434. Growing cycle 120 days. Malinke tribe. Local name NIO-Samatala. Cultivated. Seed.
503467. Z. 7193. Guinea. Collected February 1982. Sangardo, Kissidougou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 435. Growing cycle 90 days. Malinke tribe. Local name NIO-Oule. Cultivated. Seed.
503468. Z. 7194. Guinea. Collected February 1982. Madina, Kissidougou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 258. Growing cycle 120 days. Malinke tribe. Local name NIO-Oule. Cultivated. Seed.
503469. Z. 7195. Guinea. Collected February 1982. Iradou, Kissidougou Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 260. Growing cycle 120 days. Malinke tribe. Local name NIO. Cultivated. Seed.
503470. Z. 7196. Guinea. Collected February 1982. Toukounou, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 275. Growing cycle 120 days. Malinke tribe. Local name NIO-Ba. Cultivated. Seed.
503471. Z. 7197. Guinea. Collected February 1982. Toukounou, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 279. Growing cycle 90 days. Malinke tribe. Local name NIO-Tele. Cultivated. Seed.
503472. Z. 7198. Guinea. Collected February 1982. Moribaya, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 436. Growing cycle 90 days. Malinke tribe. Local name NIO-Gbeni. Cultivated. Seed.

503346 TO 503485-continued

503473. Z. 7199. Guinea. Collected February 1982. Moriguedou, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 437. Growing cycle 90 days. Malinke tribe. Local name NIO-Bouragbe. Cultivated. Seed.
503474. Z. 7200. Guinea. Collected February 1982. Tintioulen, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 353. Growing cycle 90 days. Malinke tribe. Local name NIO-gbe. Cultivated. Seed.
503475. Z. 7201. Guinea. Collected February 1982. Farabana, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 345. Growing cycle 90 days. Malinke tribe. Local name NIO-gbe. Cultivated. Seed.
503476. Z. 7202. Guinea. Collected February 1982. Komodou, Kerouane Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 337. Growing cycle 90 days. Malinke tribe. Local name NIO-gbe. Cultivated. Seed.
503477. Z. 7203. Guinea. Collected February 1982. Kamandou, Kerouane Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 321. Growing cycle 90 days. Malinke tribe. Local name NIO-gbe. Cultivated. Seed.
503478. Z. 7204. Guinea. Collected February 1982. Bafouro, Kerouane Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 315. Growing cycle 90 days. Malinke tribe. Local name NIO-Bouragbe. Cultivated. Seed.
503479. Z. 7205. Guinea. Collected February 1982. Konsankoro, Kerouane Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 309. Growing cycle 120 days. Malinke tribe. Local name NIO-Oule. Cultivated. Seed.
503480. Z. 7206. Guinea. Collected February 1982. Konsankoro, Kerouane Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 310. Growing cycle 90 days. Malinke tribe. Local name NIO-Bouragbe. Cultivated. Seed.
503481. Z. 7207. Guinea. Collected February 1982. Nionsamoridou, Beyla Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 297. Growing cycle 90 days. Malinke tribe. Local name NIO-Bouragbe. Cultivated. Seed.
503482. Z. 7208. Guinea. Collected February 1982. Kote, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 359. Growing cycle 90 days. Malinke tribe. Local name NIO-Bouragbe. Cultivated. Seed.
503483. Z. 7209. Guinea. Collected February 1982. Kourouko, Kankan Region. Collected by J.C. Clement and J.M. LeBlanc.

503346 TO 503485-continued

Collector No. GE 353. Growing cycle 90 days. Malinke tribe. Local name NIO-Oule. Cultivated. Seed.

503484. Z. 7210. Guinea. Collected February 1982. Saladougou, Mandiana Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 366. Growing cycle 80-90 days. Peul tribe. Local name KABA-Oule. Cultivated. Seed.

503485. Z. 7211. Guinea. Collected February 1982. Saladougou, Mandiana Region. Collected by J.C. Clement and J.M. LeBlanc. Collector No. GE 367. Growing cycle 90 days. Peul tribe. Local name KABA-gbe. Cultivated. Seed.

cf. <i>Hibiscus syriacus</i>	502387		<i>Chrysanthemum arcticum</i>	502259-
<i>Abelmoschus esculentus</i>	500149-		502260	
500228			<i>Chrysanthemum serotinum</i>	502261
<i>Acacia auriculiformis</i>	501528		<i>Cicer arietinum</i>	502975-503031
<i>Acer campestre</i>	502262		<i>Citrullus lanatus</i>	500301-
<i>Aegilops cylindrica</i>	502242-		500355, 502315-502319	
502243			<i>Colubrina texensis</i>	502643
<i>Agrimonia eupatoria</i>	502263		<i>Coriandrum cf. sativum</i>	502320
<i>Agropyron hybrid</i>	502264-502265		<i>Coronilla varia</i>	502321-502325
<i>Agropyron pectiniforme</i>	502266-		<i>Crataegus sp.</i>	502326-502327
502270			<i>Crotalaria sp.</i>	500356-500358
<i>Agropyron scythicum</i>	502271		<i>Cucumis melo</i>	500359-500372,
<i>Agrostis gigantea</i>	502272-		502328-502330, 503324-503325	
502278			<i>Cucumis sativus</i>	500373-500374,
<i>Agrostis sp.</i>	502279		502331	
<i>Ailanthus cf. altissima</i>	502280		<i>Cucumis sp.</i>	500375-500441
<i>Alhagi sp.</i>	502281		<i>Cucurbita maxima</i>	500442-500535
<i>Althaea sp.</i>	502282		<i>Cucurbita moschata</i>	500536-
<i>Amaranthus sp.</i>	500229-500294		500642	
<i>Anthyllis vulneraria</i>	503143-		<i>Cucurbita pepo</i>	500643-500645
503144			<i>Cydonia sp.</i>	502332
<i>Arachis hypogaea</i>	501267-501300,		<i>Cynara scolymus</i>	502257-502258
501972-502160, 502908-502911			<i>Cynodon dactylon</i>	502333-502336
<i>Aster amellus</i>	502283		<i>Dactylis glomerata</i>	502337-
<i>Astragalus captiosus</i>	502284		502346	
<i>Astragalus cicer</i>	502285		<i>Daucus carota</i>	502239, 502244-
<i>Astragalus falcatus</i>	502286-		502246, 502347-502348, 502653-	
502287			502657, 502913-502920, 503342-	
<i>Astragalus glycyphylloides</i>			503345	
502288			<i>Daucus gracilis</i>	502247
<i>Astragalus sp.</i>	502289-502291		<i>Deschampsia cespitosa</i>	502349
<i>Avena sativa</i>	501521-501525,		<i>Dianthus plumarius</i>	502249
501535-501543, 502292, 502921-			<i>Echium russicum</i>	502350
502922, 502950-502961			<i>Elymus sibiricus</i>	502352-502355
<i>Beta sp.</i>	502293		<i>Elymus sp.</i>	502356-502357
<i>Beta vulgaris</i>	502294		<i>Elytrigia elongata</i>	502358-
<i>Betula sp.</i>	502295		502359	
<i>Bothriochloa ischaemum</i>	502296-		<i>Elytrigia intermedia</i>	502351
502297			<i>Elytrigia repens</i>	502360-502361
<i>Bothriochloa sp.</i>	502298-502299		<i>Eragrostis minor</i>	502362-502363
<i>Brachypodium pinnatum</i>	502300-		<i>Eremopyrum triticeum</i>	502364
502302			<i>Euonymus europaea</i>	502365
<i>Brassica napus</i>	502303-502304		<i>Eurotia ceratoides</i>	502366
<i>Brassica rapa</i>	502305		<i>Festuca arundinacea</i>	502367-
<i>Briza media</i>	502306		502373	
<i>Bromus arvensis</i>	502307		<i>Festuca pratensis</i>	502374-
<i>Bromus riparius</i>	502308-502310		502376	
<i>Bromus sp.</i>	502311-502312		<i>Festuca sp.</i>	502377-502379
<i>Calamagrostis epigeios</i>	502313-		<i>Festuca valesiaca</i>	502380-
502314			502383	
<i>Canavalia sp.</i>	500295		<i>Fraxinus pennsylvanica</i>	501527
<i>Capsicum anomalum</i>	501532		<i>Genista sagittalis</i>	503341
<i>Capsicum cardenasii</i>	501529		<i>Genista tinctoria</i>	502384
<i>Capsicum ciliatum</i>	501530		<i>Glycine max</i>	500646-500648,
<i>Capsicum galapagoense</i>	501531		503333-503340	
<i>Carica papaya</i>	500296-500299		<i>Gossypium aridum</i>	501481
<i>Ceiba sp.</i>	500300		<i>Gossypium barbadense</i>	501482

Gossypium hirsutum	501301-	Luffa sp.	500919-500921
501480, 501483-501519		Lupinus albus	502648-502652
Gossypium sp.	501520	Lycopersicon sp.	500922
Gynandropsis gynandra	500649-	Malus sp.	502161-502163, 502418
500685		Malus sylvestris	502164, 502248
Haloxylon aphyllum	502385	Medicago carstiensis	502419
Helianthus annuus	500686-	Medicago hybrid	502420
500695, 502386		Medicago lupulina	502421-
Helianthus atrorubens	503202-	502423, 503145-503148	
503206		Medicago ruthenica	502645
Helianthus decapetalus	503207-	Medicago sativa	502424-502544,
503208		502646-502647	
Helianthus divaricatus	503209-	Melica transsilvanica	502545
503218		Melilotus alba	502546-502547
Helianthus giganteus	503219-	Melilotus officinalis	502548-
503224		502551	
Helianthus grosseserratus		Morus sp.	502552
503225		Nicotiana debneyi	503320-
Helianthus laevigatus	503226-	503323	
503229		Nicotiana tabacum	500923-
Helianthus maximiliani	503230	500941	
Helianthus microcephalus		Ocimum sp.	500942-500954
503231		Onobrychis inermis	502553
Helianthus petiolaris	503232	Onobrychis viciifolia	502554
Helianthus rigidus	503233	Oryza sativa	502658-502905,
Helianthus sp.	503234-503237	502967-502969, 503033-503139,	
Helianthus strumosus	503238-	503149-503201	
503261		Phaseolus lunatus	502181-
Helianthus tuberosus	503262-	502187	
503283		Phaseolus sp.	502555
Helianthus x laetiflorus		Phaseolus vulgaris	502188-
503284-503291		502238, 503140	
Hibiscus sp.	500696-500805	Phleum phleoides	502556
Hibiscus tiliaceus	503032	Phleum pratense	502557-502558
Hordeum vulgare	501526, 502962-	Phleum sp.	502559
502965, 502972		Phragmites australis	502560
Ipomoea sp.	500806	Pistacia vera	502561-502562
Kochia prostrata	502388	Poa angustifolia	502563
Koeleria cristata	502389-	Poa bulbosa	502564-502566
502390		Poa nemoralis	502567
Koeleria gracilis	502391-	Prunus divaricata	502568
502395		Prunus domestica	502569
Lagenaria siceraria	500807-	Prunus persica	502570
500899		Psathyrostachys juncea	502571-
Lathyrus sp.	502396	502579	
Lathyrus sylvestris	502397	Puccinellia distans	502580-
Lavatera sp.	502398-502400	502582	
Lespedeza daurica	502401	Pyrus caucasica	502583
Leymus racemosus	502402	Pyrus communis	502165-502178
Leymus ramosus	502403-502404	Pyrus hybrid	502179
Linum austriacum	502405	Pyrus sp.	502180
Linum hirsutum	502406-502410	Raphanus sp.	502584
Linum sp.	502411	Robinia sp.	502585
Lolium perenne	502412-502414	Rosa sp.	502586
Lotus caucasicus	502415-502416	Rosa spinosissima	502587
Lotus sp.	502417	Rubus sp.	502588-502589
Luffa aegyptiaca	500900-500918	Salix alba	502250-502252

Salix hybrid	502253		503328	
Salix sp.	502254-502255		Vitis sp.	502641
Salix viminalis	502256		Zea mays	501110-501266, 503329-
Salsola kali	502240			503332, 503346-503485
Salsola soda	502241			
Salvia sp.	502591			
Salvia tesquicola	502590			
Sanguisorba minor	502592-			
	502593			
Sanguisorba sp.	502594			
Solanum neocardenasii	502642			
Sorghum bicolor	500955-501109,			
	501544-501971, 502595			
Stipa capillata	502596-502603			
Stipa dasyphylla	502604			
Stipa pontica	502605			
Stipa pulcherrima	502606-			
	502607			
Stipa sareptana	502608			
Stipa sibirica	502609			
Stipa tenacissima	502610			
Stipa ucrainica	502611			
Stipa zalesskii	502612			
Tilia sp.	502613			
Trifolium ambiguum	502614			
Trifolium arvense	502615-			
	502617			
Trifolium montanum	502618			
Trifolium pratense	502619-			
	502620			
Trifolium repens	502621			
Trifolium sp.	502622-502623			
Trifolium striatum	502624-			
	502626			
Triticum aestivum	501533-			
	501534, 502627, 502644, 502906-			
	502907, 502912, 502923-502949,			
	502966, 502970-502971, 502973			
Triticum araraticum	503292-			
	503298			
Triticum boeoticum	503299-			
	503309			
Triticum dicoccoides	503310-			
	503317			
Triticum sp.	502628			
Triticum spelta	502974			
Triticum urartu	503318-503319			
Tulipa schrenkii	502629			
Undetermined	502630-502634			
Undetermined sp.	502635			
Vernonia galamensis	503141-			
	503142			
Vicia sativa	502636-502637			
Vicia sp.	502638			
Vicia tenuifolia	502639			
Vicia tetrasperma	502640			
Vigna unguiculata	503326-			

Alfalfa	502424-502432, 502646-502647	Peanut	501972-502160, 502908-502911
Apple	502164, 502248	Pear	502165-502179
Barley	501526, 502962-502965, 502972	Perennial quaking grass	502306
Basket willow	502256	Perennial ryegrass	502412-502414
Bermudagrass	502333-502336	Rabbit-foot clover	502615-502617
Black medic	502421-502423, 503145-503148	Rape	502303-502304
Blackpod vetch	502636-502637	Red clover	502619-502620
Bottle gourd	500807-500899	Redtop	502272-502278
Bulbous bluegrass	502564-502566	Rice	502658-502905, 502967-502969, 503033-503139, 503149-503201
Chickpea	502975-503031	Russian wildrye	502571-502579
Cicer milkvetch	502285	Sainfoin	502554
Common beet	502294	Sawtooth sunflower	503225
Common oat	501521-501525, 501535-501543, 502292, 502921-502922, 502950-502961	Scotch rose	502587
Common plum	502569	Sea-island cotton	501482
Common reed	502560	Showy sunflower	503284-503291
Common wheat	501533-501534, 502627, 502644, 502906-502907, 502912, 502923-502949, 502966, 502970-502971, 502973	Small wood sunflower	503231
Corn	501110-501266	Sorghum	500955-501109, 501544-501971, 502595
Cotton	501520	Soybean	500646-500648, 503333-503340
Crownvetch	502321-502325	Sparrow vetch	502640
Cucumber	500373-500374, 502331	Spelt	502974
Dyer's-greenweed	502384	Squash	500536-500642
Field corn	503329-503332, 503346-503485	Stiff sunflower	503233
Flat pea	502397	Sunflower	500686-500695, 502386
Garden bean	502188-502238, 503140	Tall fescue	502367-502373
Giant sunflower	503219-503224	Thinleaf sunflower	503207-503208
Globe artichoke	502257-502258	Timothy	502557-502558
Hairy wood sunflower	503202-503206	Tobacco	500923-500941
Hedge maple	502262	Tufted hairgrass	502349
Jerusalem artichoke	503262-503283	Turnip	502305
Jointed goatgrass	502242-502243	Upland cotton	501301-501480, 501483-501519
Kura clover	502614	Vegetable sponge	500900-500918
Lima bean	502181-502187	Watermelon	500301-500355, 502315-502319
Little lovegrass	502362-502363	Weeping alkaligrass	502580-502582
Maximilian's sunflower	503230	White clover	502621
Meadow fescue	502374-502376	White lupine	502648-502652
Melon	500359-500372, 502328-502330, 503324-503325	White sweetclover	502546-502547
Milkvetch	502286-502287	Wild einkorn	503299-503309
Needlegrass	502609	Wild emmer	503310-503317
Okra	500149-500228	Wildrye	502352-502355
Orchardgrass	502337-502346	Winter squash	500442-500535
Papaya	500296-500299	Wood bluegrass	502567
Peach	502570	Woodland sunflower	503238-503261
		Yard-long bean	503328
		Yellow bluestem	502296-502297

For space conservation and consistency in identifying locations, the following acronyms have been used in Plant Inventory No. 194:

- IBPGR - International Board for Plant Genetic Resources
- ICRISAT - International Crops Research Institute for Semi-Arid Tropics
(India)
- ORSTOM - Office de la Recherche Scientifique et Technique d'Outre Mer
(France)
- USDA-ARS - U.S. Department of Agriculture - Agricultural Research Service
- VIR - N.I. Vavilov Institute of Plant Industry (USSR)